

20020125.qrp v02\_n446.qrl.20020125

Date: Fri, 25 Jan 2002 19:03:04 EST  
From: qrp-l@Lehigh.EDU  
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>  
Subject: QRP-L digest 2446

QRP-L Digest 2446

Topics covered in this issue include:

- 1) [118239] Re: Dr Dx...Code trainer  
by Hank Kohl K8DD <k8dd@arrl.net>
- 2) [118240] Re: BRUCIE - give us a break!  
by "T.E. 'Doc' Drake - W5TB" <w5tb@arrl.net>
- 3) [118241] Re: Dr Dx...Code trainer  
by Bob Nielsen <nielsen@oz.net>
- 4) [118242] Tin box alert  
by jacksonharbor@att.net
- 5) [118243] N0TU's FINAL REV2 log FOX#25  
by "Steve/n0tu" <n0tu@codenet.net>
- 6) [118244] How to be QRP on QRP-l, dont requote, turn off auto requotes, PLEASE  
by "Stuart Rohre" <rohre@arlut.utexas.edu>
- 7) [118245] Subject: [118181] Re: Plug in your key [k5hk]  
by lhlousek <lhlousek@nvhbell.net>
- 8) [118246] Looks about Right! Yea!  
by "Stuart Rohre" <rohre@arlut.utexas.edu>
- 9) [118247] Re: Tin box alert  
by "Howard Kraus" <K2UD@adelphia.net>
- 10) [118248] 2002 QRP DXCC Totals  
by "Pat J. Whelton" <pwhelton@hal-pc.org>
- 11) [118249] Re: 2002 QRP DXCC Totals  
by "Brian Murrey" <brian@iquest.net>
- 12) [118250] Re: 2002 QRP DXCC Totals  
by "Brian Murrey" <brian@iquest.net>
- 13) [118251] Another WAS  
by "Brian Murrey" <brian@iquest.net>
- 14) [118252] CQ WPX SSB 2001 results .....  
by "George Osier" <gosier@twcnny.rr.com>
- 15) [118253] Fwd: Re: Short Vertical for backpacking  
by Gary Slagel <gdslagel@yahoo.com>
- 16) [118254] ON5EX 30M QRPP Belgian Beacon Friday  
by Paul Stroud <aa4xx@ipass.net>
- 17) [118255] Fox -- Twofer: \*YES\*!!! :-)  
by Todd Enders <enders@bolshoi.cc.misu.nodak.edu>
- 18) [118256] Re: CQ WPX SSB 2001 results .....  
by "Brian Murrey" <brian@iquest.net>
- 19) [118257] RE: Tin box alert

- by "Michael N4NMR" <bowerm@ix.netcom.com>
- 20) [118258] Re: 2002 QRP DXCC Totals  
by Bob Nielsen <nielsen@oz.net>
- 21) [118259] Re: Fox -- Twofer: \*YES\*!!! :-)  
by "Trevor Jacobs" <fxtech@earthlink.net>
- 22) [118260] Re: PC Board Cutting  
by Dan Tayloe <dtayloe@home.com>
- 23) [118261] CW speed calculations  
by "Trevor Jacobs" <fxtech@earthlink.net>
- 24) [118262] Re: Fox -- Twofer: \*YES\*!!! :-)  
by "Karl F. Larsen" <k5di@zianet.com>
- 25) [118263] Fox: 2 foxii = Duck Soup!  
by Thomas Jennings <jennings@eznet.net>
- 26) [118264] Re: CW speed calculations  
by jacksonharbor@att.net
- 27) [118265] Re: CW speed calculations  
by "Trevor Jacobs" <fxtech@earthlink.net>
- 28) [118266] Truffle Log 01-25-02 AF4PS  
by Macstein@aol.com
- 29) [118267] VXO design  
by wa0goz@arrl.net
- 30) [118268] Re: PC Board Cutting  
by John Seboldt K0JD <k0jd-l@seboldt.net>
- 31) [118269] OH0/OH7MM on 10.106  
by lenny wintfeld <w2bvh@home.com>
- 32) [118270] Fw: [AMRadio] Re: Low Power AM Night  
by "Trevor Jacobs" <fxtech@earthlink.net>
- 33) [118271] Backpack antennas  
by "J. Medley" <jmedley@ix.netcom.com>
- 34) [118272] RE: ON5EX 30M QRPP Belgian Beacon Friday  
by John R Kirby <n3aaz-qrp@juno.com>
- 35) [118273] Re: NJQRP meeting this Saturday  
by "n2cx" <n2cx@voicenet.com>
- 36) [118274] Re: Ground .vs. Counterpoise results  
by "Lau, Zack, W1VT" <zlau@arrl.org>
- 37) [118275] K1 Reviews  
by Donn Kuse <casey.jay@gte.net>
- 38) [118276] Pearls  
by "=?iso-8859-1?B?TthCUw==?=" <n0bs@msn.com>
- 39) [118277] Strange batteries  
by "David Porter" <aa3ur@home.com>
- 40) [118278] Last Call RATC Logs  
by Kenneth Hoglund <hoglund@wfu.edu>
- 41) [118279] Re: Strange batteries  
by "Mike Yetsko" <myetsko@insydesw.com>
- 42) [118280] re: 2002 qrp dxcc totals  
by Mike Bray <mikebray@uplogon.com>
- 43) [118281] Test post

by MITCHELLRI@aol.com

44) [118282] Re: Pearls  
by "George, W5YR" <w5yr@att.net>

45) [118283] Re: 2002 qrp dxcc totals  
by Dave Sjolín <sjolin@swbell.net>

46) [118284] FOX: Raw log - N0UR  
by "Jim N0UR" <n0ur@mediaone.net>

47) [118285] Re: 2002 qrp dxcc totals  
by "Paul Harden, NA5N" <na5n@rt66.com>

48) [118286] Re: VX0 design  
by Tayloe Dan-P26412 <Dan.Tayloe@motorola.com>

49) [118287] Re: K1 Reviews  
by "Mike WA8BXN" <hubby2k@hotmail.com>

50) [118288] Re: Subject: [118181] Re: Plug in your key [k5hk]  
by "Bob Tellefsen" <n6wg@earthlink.net>

51) [118289] Radio Sales in Columbus, Ohio  
by Harris Keith E CONT CNIN <harris\_k@crane.navy.mil>

52) [118290]  
by "Mike Boatright" <ko4wx@mindspring.com>

53) [118291] Re: BRUCIE - give us a break!  
by David Gauding <david.gauding@bbs.galilei.com>

54) [118292] Re: VX0 design  
by Tayloe Dan-P26412 <Dan.Tayloe@motorola.com>

55) [118293] KITS: LED freq counter/digi-dial  
by Steven Weber <kd1jv@moose.ncia.net>

56) [118294] Argonaut 509/405 amp/208audio filter/PS  
by "d 1" <nr2v@northnet.org>

57) [118295] Morse code and cheap screwdriver antenna  
by Schunn99@aol.com

58) [118296] VX0 info  
by Pete Burbank <plburbank@kih.net>

59) [118297] FS: Yaesu VR-120 Comm. Rcvr.  
by "Wonil NR6Z" <wonil\_lim\_1@email.msn.com>

60) [118298] Re: Morse code and cheap screwdriver antenna  
by "George, W5YR" <w5yr@att.net>

61) [118299] FDIM Question  
by "Steve Farthing" <stephen@stevef.demon.co.uk>

62) [118300] Re: Strange batteries  
by Bill Coleman <aa4lr@arrl.net>

63) [118301] Re: Fw: [AMRadio] Re: Low Power AM Night  
by Dave Fouchey <dafouchey@home.com>

64) [118302] Re: Morse code and cheap screwdriver antenna  
by "Pastor-KC1DI" <elbc@pivot.net>

65) [118303] Re: Morse code and cheap screwdriver antenna  
by Dave Sjolín <sjolin@swbell.net>

66) [118304] Re: NJQRP meeting this Saturday  
by "Doug Hendricks" <ki6ds@dph.dpol.net>

67) [118305] Re: Morse code and cheap screwdriver antenna

- by "Lee Mairs" <lairs@cox.rr.com>
- 68) [118306] Re: Morse code and cheap screwdriver antenna  
by John Wagner <john@wagner-usa.net>
- 69) [118307] CUB FOX: Final Log for CUB FOX Hunt #13  
by "Zoerb, Ron" <Zoerb.Ron@broadband.att.com>
- 70) [118308] Re: Morse code and cheap screwdriver antenna  
by "Stephen M. King" <frastephen@home.com>
- 71) [118309] Re: Upconversion, Wide Roofing Filters, and Good Dynamic Range  
by Bill Coleman <aa4lr@arrl.net>
- 72) [118310] Re: Upconversion, Wide Roofing Filters, and Good Dynamic Range  
by Bill Coleman <aa4lr@arrl.net>
- 73) [118311] Re: 2002 QRP DXCC Totals  
by "Howard Kraus" <K2UD@adelphia.net>
- 74) [118312] Fox: big fun!  
by Dan Presley <talljazz@teleport.com>
- 75) [118313] Re:K5HK  
by Dan Presley <talljazz@teleport.com>
- 76) [118314] Re: Dr Dx...Code trainer -- (in the here and now)  
by Doug Simpson <dsimpson@darkwing.uoregon.edu>
- 77) [118315] Weekend Solar/Band Condx  
by "Paul Harden, NA5N" <na5n@rt66.com>
- 78) [118316] Re: 2002 QRP DXCC Totals  
by "Paul Harden, NA5N" <na5n@rt66.com>

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Date: Thu, 24 Jan 2002 18:54:15 -0500  
From: Hank Kohl K8DD <k8dd@arrl.net>  
To: nr2v@northnet.org,  
"Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>  
Subject: [118239] Re: Dr Dx...Code trainer  
Message-ID: <5.1.0.14.2.20020124184004.025aea30@mail.arenet.net>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"; format=flowed

A couple of the Contest logging programs will act like the good ole Dr DX. Both NA and TR have very good trainer modes, but they only send one call at a time.

PED by JE3MAS (<http://plaza16.mbn.or.jp/~masiii/>) is a CT trainer, but it will let you select how many calls and the speed you want at once and give you exchanges to copy. PED will work with Windows, I think, but it works best from DOS (not a Command Prompt / DOS prompt).

PileUp! by G4ZFE (<http://www.babbage.demon.co.uk/pileup.html>) is a pileup trainer. It will let you select how many calls and the speed range you want. No exchanges, but it will score you on what you copy correctly and you can post your scores on the web at G4ZFE's home page. PileUp! runs

under Windows 95/98 only.

Either one of them will give you a feel what it is like to be a FOX,  
Truffel, CUB, DX station!

73 Hank K8DD

At 1/24/02 08:53 AM -0500, d l wrote:

>Anybody know of a windows based program that is similar to the c-64 "Dr. DX"

>?????

>73

>Dean

\*/ Hank Kohl K8DD k8dd@arrl.net  
\*/ ARRL TS http://www.qsl.net/k8dd  
\*/ MI-QRP - Vice Pres. QRP-ARCI - Director  
\*/

If God intended you to be on single sideband, he would have given you only  
one nostril. - Steve, K2PTS

-----  
Date: Thu, 24 Jan 2002 18:29:58 -0600  
From: "T.E. 'Doc' Drake - W5TB" <w5tb@arrl.net>  
To: <ki6ds@dospalos.org>,  
"Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>  
Subject: [118240] Re: BRUCIE - give us a break!  
Message-ID: <009501c1a537\$6b9b2ac0\$0200a8c0@alt1n1.tx.home.com>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: quoted-printable

ditto -- shut up Brucie, Thanks Paul!

73, T.E. 'Doc' Drake, W5TB  
Arlington, Texas  
FISTS # 5365 QRPARCI # 3532 ARRL Life Member K1 #181 K2#1617  
----- Original Message -----=20  
From: "Doug Hendricks" <ki6ds@dospalos.org>  
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>  
Sent: Thursday, January 24, 2002 1:29 AM  
Subject: Re: BRUCIE - give us a break!

> Paul, thank you a thousand times. I support you 100%. 72, Doug, =  
KI6DS  
>=20

-----  
Date: Thu, 24 Jan 2002 16:31:41 -0800  
From: Bob Nielsen <nielsen@oz.net>  
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>  
Subject: [118241] Re: Dr Dx...Code trainer  
Message-ID: <20020125003141.GA13724@oz.net>  
Mime-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Disposition: inline

On Thu, Jan 24, 2002 at 06:54:15PM -0500, Hank Kohl K8DD wrote:

> A couple of the Contest logging programs will act like the good ole Dr  
> DX. Both NA and TR have very good trainer modes, but they only send one  
> call at a time.  
>  
> PED by JE3MAS (<http://plaza16.mbn.or.jp/~masiii/>) is a CT trainer, but it  
> will let you select how many calls and the speed you want at once and give  
> you exchanges to copy. PED will work with Windows, I think, but it works  
> best from DOS (not a Command Prompt / DOS prompt).  
>  
> PileUp! by G4ZFE (<http://www.babbage.demon.co.uk/pileup.html>) is a pileup  
> trainer. It will let you select how many calls and the speed range you  
> want. No exchanges, but it will score you on what you copy correctly and  
> you can post your scores on the web at G4ZFE's home page. PileUp! runs  
> under Windows 95/98 only.

PileUp! also runs on Linux. None of these contain what I thought was  
the hard part of Dr. DX, getting it to recognize your sending--quite a  
challenge with a straight key!

Bob N7XY

-----  
Date: Fri, 25 Jan 2002 00:58:26 +0000  
From: jacksonharbor@att.net  
To: qrp-l@lehigh.edu  
Subject: [118242] Tin box alert  
Message-ID:

<20020125005827.GIJT5540.mtiwmhc21.worldnet.att.net@webmail.worldnet.att.net>

Hello qrpplers -

My Dad got a interesting item in the mail today - a CDROM from AOL, but encased in a nifty tin box - it's a little larger than a CDROM - 4 3/4 x 5 1/2 x 3/8 inches.

It's probably too small for thru-hole projects, but maybe surface mount ??

This is the most nifty thing from AOL since the floppies they used to send out ;)

Best Regards,

Chuck Olson, WB9KZY  
Jackson Harbor Press  
<http://jacksonharbor.home.att.net/>

-----  
Date: Thu, 24 Jan 2002 18:03:05 -0700  
From: "Steve/n0tu" <n0tu@codenet.net>  
To: "QRP-L" <QRP-L@lehigh.edu>  
Subject: [118243] N0TU's FINAL REV2 log FOX#25  
Message-ID: <002701c1a53c\$0c48c140\$6a211d82@cos.agilent.com>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="Windows-1252"  
Content-Transfer-Encoding: 7bit

Sorry found some errors NOW this should be it! Thanks for the updates and hunt!

And TU Paul !!!!!!!!!!!!!!!!!!!!!!!!!!!!!!! Steve.

FOX hunt #25 N0TU's FINAL log:

FOX: N0TU  
Rig: k2 @5w  
Ant: CFZ at 25'

0200-0400 1/18/02

GMT CALL RST STATE NAME PWR

0202 NQ7X 559 AZ FLOYD 5W

0203 W5TB 559 TX DOC 5W  
0204 N1FN 559 CO ET 5W  
0205 WE9K 559 WI GLENN 5W  
0206 K5ZTY 559 TX BILL 5W  
0207 AA7XA 559 OR FRANK 5W  
0208 K0EVZ 559 ND DOC 5W  
0209 K50I 559 OK TIM 5W  
0210 K4GT 559 GA JIM 5W  
0211 KI0II 559 CO RON 5W  
0212 K9IS 559 WI STEVE 3W  
0213 N9AW 559 WI JERRY 5W  
0214 N4ROA 559 VA DAN 5W  
0215 W5USJ 559 TX CHUCK 5W  
0216 VE5RC 559 SKW BRUCE 5W  
0217 VE6EX 559 ALB DAN 5W  
0218 W8VJW 559 MI JOHN 5W  
0219 NK6A 559 CA DON 5W  
0220 N0AR 559 MN SCOTT 5W  
0221 KR5C 559 TX GEORGE 5W  
0222 K0FRP 579 CO AL 5W  
0223 W7ILW 559 AZ WALT 5W  
0224 K3PH 559 PA BOB 5W  
0225 N2WW 559 CO LARRY 5W  
0226 K4ADI 559 SC FRANK 5W  
0227 KB9LGJ 559 CA TIM 5W  
0228 KB7WW 559 OR ART 5W  
0229 WA9TZE 599 WI JIM 5W  
0230 N4MAP 559 GA SAM 5W  
0231 WV9N 559 OH RANDY 5W  
0232 N6WG 599 CA BOB 5W  
0233 W3CD 559 CA BOB 5W  
0234 W5YR 559 TX GEORGE 5W  
0235 AD6JV 559 CA BILL 5W  
0236 K6BNX 579 CA ARLEN 5W  
0237 W0CH 559 MO DAVE 900MW  
0238 N3BJ 559 VA ALAN 5W  
0239 KC0ATC 559 CO CHRIS 3W  
0240 W9XU 559 WI LON 5W  
0242 NK9G 559 WI RICK 5W  
0243 KA9CAR 559 IL JOHN 100W  
0244 N5IW 559 TX DAVE 5W  
0246 KB0LUR 599 CO PAUL 5W  
0247 AA50 559 LA VERN 5W  
0248 KG6CYN 579 CA TREV 5W  
0250 N0RC 559 CO ROD 5W  
0251 KJ0C 599 MO JIM 5W  
0252 NQ7K 599 AZ MIKE 5W  
0253 VA6RF 559 ALB EARL 5W



0254 K8CV 559 MI WALT 5W  
0255 K9IUA 559 IA KEVIN 5W  
0256 N3ZPQ 559 OH FRANK 4W  
0257 N0UR 579 MN JIM 5W  
0258 K4TJD 559 GA TOM 5W  
0259 KQ5U 559 TX TERRY 5W  
0300 K0PC 559 MN PAT 5W  
0301 KK5LD 559 TX DAN 5W  
0302 KE6RS 559 CA RON 5W  
0304 K5EOA 559 LA WAYNE 5W  
0305 W0IS 599 MN RICK 5W  
0306 WE6W 559 CA ED 4W  
0307 K5DI 559 NM KARL 5W  
0308 K7TQ 559 ID RANDY 5W  
0309 WB6BWZ 559 GA MATT 5W  
0310 N1TP 559 FL TOM 5W  
0311 KC1FB 559 CT JIM 5W  
0314 K3IU 579 RI KEN 5W  
0315 K5DW 559 TX DON 5W  
0316 K8MIA 559 WV JIM 5W  
0317 VE3FAL 559 ONT FRED 5W  
0318 W0RSP 569 SD ADE 4W  
0319 W9HL 559 IL RANDY 5W  
0320 K4FB 559 FL PAUL 5W  
0321 N9IJ 579 IL LEN 5W  
0322 NV8S 559 OH DENNIS 5W  
0324 N9NE 569 WI TODD 100MW  
0325 WR50 559 TX DAVE 5W  
0326 W9JOP/4 559 VA BOB 220MW  
0327 K8DD 559 MI HANK 5W  
0328 K9DC 559 IN DAVE 5W  
0329 KD5KXF 559 TX MIKE 5W  
0330 AF4LQ 559 KY MIKE 5W  
0331 WA8BXN 559 OH MIKE 5W  
0332 W8NDG 579 MI BOB 5W  
0333 NX8C 559 MI NEIL 5W  
0334 AB5XQ 559 AR BILL 5W  
0335 NM5M 579 TX ERIC 5W  
0336 VE4WI 559 MAN CRAIG 5W  
0337 K4BYF 559 FL JACK 5W  
0338 KB9YIG 559 IN TONY 5W  
0339 KK5NA 559 TX JOE 5W  
0340 AF4PS 559 FL MAC 3W  
0341 N0HRL 559 MN KEN 5W  
0342 WA8ZBT 559 TX DENNIS 5W  
0343 NV4V 559 KY PETE 5W  
0344 VE6KG 559 ALB NORM 5W  
0345 KL7IXI 559 WA MIKE 4W

0346 K8KFJ 559 WV GARY 5W  
0348 AG0T 559 ND TODD 4W  
0349 AD2A 559 NJ DAVE 5W  
0350 K5BGB 559 TX ROD 5W  
0351 W4NJK 559 CA CHARLIE 5W  
0352 K5JHP 559 TX BILL 5W  
0355 KB3EOF 559 MD SANDY 5W  
0357 W0JOE 559 MO JOE 5W  
0358 AB0CD 559 CO DICK 5W  
0359 N8VAR 559 OH RON 5W  
0400 N0TU 559 CO STEVE 5W

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Date: Thu, 24 Jan 2002 19:06:12 -0600  
From: "Stuart Rohre" <rohre@arlut.utexas.edu>  
To: <qrp-l@Lehigh.EDU>  
Subject: [118244] How to be QRP on QRP-l, dont requote, turn off auto requotes,  
PLEASE  
Message-ID: <003501c1a53c\$7b3c3a50\$4e100a0a@rohredt2000>

For those of us on digest or other archived means of reading the list, it has become increasingly apparent that either some computers default to re quoting everything at the turn of the year, or posters have become careless. As a New Years resolution you CAN keep, PLEASE go to the menu for your email program, and turn off any re quoting automatic feature so we do not see the same posting in several replies. That way, QRP-L will have more new info and less redundant requotes.THANKS!

72,  
Stuart K5KVH

-----  
Date: Thu, 24 Jan 2002 17:12:20 -0800  
From: lhlousek <lhlousek@nvhbell.net>  
To: QRP-L list <qrp-l@Lehigh.EDU>  
Subject: [118245] Subject: [118181] Re: Plug in your key [k5hk]  
Message-ID: <01a101c1a53d\$56af4640\$650dfea9@nvhbell.net>  
MIME-version: 1.0  
Content-type: text/plain; charset=iso-8859-1  
Content-transfer-encoding: 7BIT

I worked K5HK/MM last Sun. He was about 750miles west of Los Angeles. Coincidentally, we were both using SSTs. Even more coincidentally, I found out he lives about 2 miles from me here in Reno. Could this be the start of the NorNev QRP club? Doesn't quite have the same ring to it as Norcal, does it. :-/

Lou W7DZN

+++++

>Exactly! That is why I posted a note about my qso with K5HK/MM/QRPP.  
>He was using a 'toy' crystal-controlled SMK-1 rig that fits in an  
>altoids tin, while he's also the radioman on a container ship in the  
>Pacific.

-----  
Date: Thu, 24 Jan 2002 19:10:58 -0600  
From: "Stuart Rohre" <rohre@arlut.utexas.edu>  
To: <kd1jv@moose.ncia.net>  
Cc: <qrp-1@Lehigh.EDU>  
Subject: [118246] Looks about Right! Yea!  
Message-ID: <003b01c1a53d\$25f02dd0\$4e100a0a@rohredt2000>

Steve,  
I liked that report, the "coil form looked about right," now that is how to prototype, look in the junk box, and see what looks like it will tune the frequency range you want!

You are right, the MFJ, Auteks and etc. spoil us and make Antenna building fun! Another top hat idea is to use the pizza plate as a form to bend a circle of wire, and then solder spokes to it for low wind load capacity hat. Something like a fender washer could be used at the center where the spokes converge.  
GL and 72,  
Stuart K5KVH

-----  
Date: Thu, 24 Jan 2002 20:19:52 -0500  
From: "Howard Kraus" <K2UD@adelphia.net>  
To: <jacksonharbor@att.net>  
Cc: <qrp-1@Lehigh.EDU>

Subject: [118247] Re: Tin box alert  
Message-ID: <000901c1a53e\$6554dba0\$07633018@buf.adelphia.net>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

A television commercial for Celestial Seasonings Tea announced that tins will appear in specially marked boxes of that tea. They seem to do this from time to time. Their tins are things of beauty, very collectable (to me), and are a bit smaller than a standard Altoids tin.

I was first turned on to them by Embedded Research who used one to mount their EMB TiCK keyer in. A perfect fit! Youse guys building Pixies and KD1JV/W7ZOI SMT keyers might wish to take note also.

72

Howard Kraus, K2UD

-----  
Date: Thu, 24 Jan 2002 19:22:37 -0600  
From: "Pat J. Whelton" <pwhelton@hal-pc.org>  
To: <qrp-l@Lehigh.EDU>  
Subject: [118248] 2002 QRP DXCC Totals  
Message-ID: <00ec01c1a53e\$c81d3fc0\$ee8dfea9@halpc.org>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

I was curious about some 2002 DXCC country totals so I looked up the links given by AF4PS and W8DIZ and was amazed. It's totally awesome what these guys have worked in less than a month at QRP levels. I was kind of disappointed that very few of the contacts were on 20 meters (the band I'm restricted to) and surprised at some of the juicy stuff they worked on 40 meters. I kinda wanted to get an idea of what I was missing on 20.

I would really be interested in a description of their antenna's.

Congratulations are certainly in order and I envy these country totals. Way to go guys.

73's  
Pat - KZ5J

-----  
Date: Thu, 24 Jan 2002 20:37:29 -0500  
From: "Brian Murrey" <brian@iquest.net>  
To: <pwhelton@hal-pc.org>,  
"Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
Subject: [118249] Re: 2002 QRP DXCC Totals  
Message-ID: <010001c1a540\$db01c1e0\$a1532bd1@bmurrey2K>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

It is incredible.

The Flying Pigs were having a WAS race that began at 12:00am on Jan 1st. Diz was first one done with 50 states in 19 days....all CW...all QRP.

Really incredible.

=====  
KB9BVN/QRP - New Whiteland IN - EM69WN  
QRP-ARCI #10223 QRP-L #1540 FIST #5695  
FISTS CC #764 - Proud Member ARRL  
TEN TEC SCOUT @ 5W or NORCAL 40A @ 1.3W  
INTO INFAMOUS AF4PS ATTIC DIPOLE  
SOC #400 AND FLYING PIGS QRP #-57  
=====

----- Original Message -----

From: "Pat J. Whelton" <pwhelton@hal-pc.org>  
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
Sent: Thursday, January 24, 2002 8:22 PM  
Subject: 2002 QRP DXCC Totals

> I was curious about some 2002 DXCC country totals so I looked up the  
links  
> given by AF4PS and W8DIZ and was amazed. It's totally awesome what  
these  
> guys have worked in less than a month at QRP levels. I was kind of  
> disappointed that very few of the contacts were on 20 meters (the  
band I'm  
> restricted to) and surprised at some of the juicy stuff they worked

on 40  
> meters. I kinda wanted to get an idea of what I was missing on 20.  
>  
> I would really be interested in a description of their antenna's.  
>  
> Congratulations are certainly in order and I envy these country  
totals. Way  
> to go guys.  
>  
> 73's  
> Pat - KZ5J  
>  
>  
>  
>

-----  
Date: Thu, 24 Jan 2002 20:58:45 -0500  
From: "Brian Murrey" <brian@iquest.net>  
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>  
Subject: [118250] Re: 2002 QRP DXCC Totals  
Message-ID: <003301c1a543\$d31b2d10\$872f2bd1@bmurrey2K>  
MIME-Version: 1.0  
Content-Type: text/plain;  
                charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Something else incredible....

Mac, AF4PS, has a broken G5RV hanging about 14 feet in the air fed  
with an old 12 gauge extension cord...and he's working DX like a  
madman...on a K2...all QRP but not all CW. Mac loves inflicting pain  
on others so he tries working DX with QRP SSB. <heheheh>

But Mac and Diz aren't the only ones having fun here....check out the  
standings in the Flying Pigs WAS/DXCC race at [www.fpqrp.com](http://www.fpqrp.com)

You'll be amazed.

Now if I can just get that one CW op in WY to cooperate....

=====  
KB9BVN/QRP - New Whiteland IN - EM69WN  
QRP-ARCI #10223 QRP-L #1540 FIST #5695

FISTS CC #764 - Proud Member ARRL  
TEN TEC SCOUT @ 5W or NORCAL 40A @ 1.3W  
INTO INFAMOUS AF4PS ATTIC DIPOLE  
SOC #400 AND FLYING PIGS QRP #-57  
=====

----- Original Message -----

From: "Pat J. Whelton" <pwhelton@hal-pc.org>  
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>  
Sent: Thursday, January 24, 2002 8:22 PM  
Subject: 2002 QRP DXCC Totals

> I was curious about some 2002 DXCC country totals so I looked up the  
links  
> given by AF4PS and W8DIZ and was amazed. It's totally awesome what  
these  
> guys have worked in less than a month at QRP levels. I was kind of  
> disappointed that very few of the contacts were on 20 meters (the  
band I'm  
> restricted to) and surprised at some of the juicy stuff they worked  
on 40  
> meters. I kinda wanted to get an idea of what I was missing on 20.  
>  
> I would really be interested in a description of their antenna's.  
>  
> Congratulations are certainly in order and I envy these country  
totals. Way  
> to go guys.  
>  
> 73's  
> Pat - KZ5J  
>  
>  
>  
>

-----  
Date: Thu, 24 Jan 2002 21:03:18 -0500  
From: "Brian Murrey" <brian@iquest.net>  
To: "QRP-L" <qrp-l@Lehigh.EDU>  
Subject: [118251] Another WAS  
Message-ID: <003b01c1a544\$75c2e2b0\$872f2bd1@bmurrey2K>  
MIME-Version: 1.0  
Content-Type: text/plain;

charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

I just noticed that Dennis W5VAF has snuck in with a WAS in 20 days,  
all QRP, all CW, and also did it SSB too. He's in Arkansas, but I'm  
not sure of the antenna.

These guys are smooooooooooth operators. I'm rooming with Dennis at  
FDIM...maybe his skill will rub off!

73

See [www.fpqrp.com](http://www.fpqrp.com) for more details

=====  
KB9BVN/QRP - New Whiteland IN - EM69WN  
QRP-ARCI #10223 QRP-L #1540 FIST #5695  
FISTS CC #764 - Proud Member ARRL  
TEN TEC SCOUT @ 5W or NORCAL 40A @ 1.3W  
INTO INFAMOUS AF4PS ATTIC DIPOLE  
SOC #400 AND FLYING PIGS QRP #-57  
=====

-----  
Date: Thu, 24 Jan 2002 21:09:11 -0500  
From: "George Osier" <gosier@twcnny.rr.com>  
To: <qrp-l@lehigh.edu>  
Subject: [118252] CQ WPX SSB 2001 results .....  
Message-ID: <003201c1a545\$49ea41a0\$0e714342@twcnny.rr.com>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Hello All !!!

Results from the CQ WPX SSB 2001 were :

N2JNZ

4th place USA 28 MHZ QRP

10th place WORLD 28 MHZ QRP



217 QSOs X 180 multipliers = 107,460 pts

Contest best for me !!!!!

73s

George , N2JNZ / QRP

-----  
Date: Thu, 24 Jan 2002 18:16:27 -0800 (PST)  
From: Gary Slagel <gds slagel@yahoo.com>  
To: QRP L <qrp-l@Lehigh.EDU>  
Subject: [118253] Fwd: Re: Short Vertical for backpacking  
Message-ID: <20020125021627.46996.qmail@web11604.mail.yahoo.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii

FYI -

Here's info, pictures, etc, on a vertical I put  
together for using on mountains above treeline. Has  
worked really well for me and I tend to take it with  
me just about anywhere anymore cuz its so easy to  
put up:

<http://marina.fortunecity.com/sanpedro/351/antenna2/antenna2.htm>

Everybody otta have one!

73,Gary

> >  
> I plan to use this antenna on mountains, above  
> tree line, where there are  
> no natrual supports for a dipole. It's really a  
> special antenna for a  
> specific need I have to put the summit of Mt  
> Adams  
> on the air this summer.

=====

Gary Slagel/N0SXX  
Conifer, CO 80433  
gdslagel@yahoo.com  
Personal Website: <http://members.fortunecity.com/gdslagel>

-----  
Do You Yahoo!?  
Great stuff seeking new owners in Yahoo! Auctions!  
<http://auctions.yahoo.com>

-----  
Date: Fri, 25 Jan 2002 09:18:09 -0500  
From: Paul Stroud <aa4xx@ipass.net>  
To: QRP-L <QRP-L@lehigh.edu>  
Cc: johan\_smet@pandora.be, klqrp <Klqrp@knightlites.org>  
Subject: [118254] ON5EX 30M QRPP Belgian Beacon Friday  
Message-ID: <3C516921.47857671@ipass.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Hi Gang,

Johan, ON5EX, will be running a mW beacon Friday evening, beginning 22:30 UTC. (5:30PM-8:00PM EST Friday). Please see details below.

Johan will be running "QRSS" mode. "QRSS3" means the dots are 3 sec long, and the dashes are 9 sec long. Similarly "QRSS10" signifies 10 second dots and 30 second dashes. If the signal is strong enough, you can even use a stopwatch or clock to decode the dots and dashes.

Several free DSP programs are available to decode the QRSS transmissions. ARGO and SPECTRAN are two popular programs which are available on the web. You can do a web search on the program names to find the appropriate URL's to download these DSP programs.

To use these programs, simply patch your receiver's headphone audio into the line or mic input of your computer's soundcard. Then set the DSP program parameters for the appropriate QRSS speed and audio input source. ARGO is very intuitive and easy to set up. If you have a spare transmitter or a signal generator, you can use it as a "test" signal source to ensure that you are set up to receive on the correct frequency. Johan will be transmitting on 10,142.000 khz +/- 3hz. If you transmit a 10 second test carrier on that frequency while set up for QRSS10 mode, you should see a ten second dot flow across your screen from right to left. Your VFO/synthesizer must be quite stable--ideally within 5hz over a long period.

If you can hear the German beacon DK0WCY on 10,144 khz, you may well be able to hear ON5EX at the 500mW level. ON5EX has been copied down to the 50mW level in the US this Winter. DK0WCY is being copied RST 559 as of 0151 UTC this evening. (Using an 80M dipole--QTH Raleigh, NC).

With the DSP receiving programs, you sometimes "see" the code stroll across your screen when you cannot actually "hear" the signal. It has been stated that at times, the DSP programs can dig as far as 30dB below the noise floor to extract a signal. For more info on QRSS receiving and transmitting, you may refer to the excellent LWCA (Longwave Club of America) website.

Should you not be able to listen this time, don't worry. Johan will be running more sessions this Winter.

US East Coast stations probably have the best chance of hearing ON5EX during the allotted time frame, but reports from MidWest and Western stations would be most welcomed. Again, if you can copy DK0WCY on 10144.00 khz, you stand an excellent chance of hearing ON5EX at one or more power levels. If you can't copy DK0WCY, your chances of hearing ON5EX are next to NIL.

Thanks to Johan for running this series of very interesting beacon sessions. His detailed posting follows: 72, es good luck! Paul AA4XX

-----

Johan Smet (ON5EX) wrote:

>

> G'day Sirs,

> Seems like sunset (USA end of path) is the right time for QRSS beacon hunting,  
> perfectly aligned with propagation theory.

>

> Note that the tx antenna is far from optimal: inverted-V shaped Carolina  
> Windom, apex at 6m5. Wx permitting, we'll mount a vertical or/and a tuned  
> dipole and compare reports.

>

> 3 sessions are scheduled for next Friday, Jan 26, on 10142 kHz:

>

> 22:30-23:00 UTC: QRSS3, 500mW,

> 23:00-00:00 UTC: QRSS10, 100mW

> 00:00-01:00 UTC: QRSS30, 50mW

>

> The beacon text will include "ON5EX" and a different 5-character code per  
> session.

>

> The Aurora beacon DK0WCY on 10.144 (30W to a dipole, 24/24, see

> [www.dk0wcy.de](http://www.dk0wcy.de)) is a good indicator: no use monitoring if you cannot copy

> this one.  
  
> 72,  
>  
> Johan ON5EX

-----  
Date: Thu, 24 Jan 2002 20:37:52 -0600  
From: Todd Enders <enders@bolshoi.cc.misu.nodak.edu>  
To: "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>  
Subject: [118255] Fox -- Twofer: \*YES\*!!! :-)  
Message-ID: <200201250237.AA01145@bolshoi.cc.misu.nodak.edu>  
Content-Type: text/plain  
Mime-Version: 1.0 (NeXT Mail 4.2mach\_patches v148.2)

Wow, that was a blast! :-) I got Dan inside the first 10 mintues  
with 4W, then, less than 30 minutes later, got Jim with 350 mW! :-)  
Both foxii have huge signals here, and seem to be reeling off pelts in  
fine fashion. Conditions seem pretty darn good, so go get 'em! :-)  
Dan is lurking around 7.042, and Jim is holding forth on 7.037.

72/73,

Todd, AG0T

-----  
Date: Thu, 24 Jan 2002 21:50:22 -0500  
From: "Brian Murrey" <brian@iquest.net>  
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>  
Subject: [118256] Re: CQ WPX SSB 2001 results .....  
Message-ID: <006f01c1a54b\$095e74c0\$872f2bd1@bmurrey2K>  
MIME-Version: 1.0  
Content-Type: text/plain;  
                charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

George,

Boy that's wonderful! I bet you're about to bust.

10th in the WORLD!!

=====

KB9BVN/QRP - New Whiteland IN - EM69WN  
QRP-ARCI #10223 QRP-L #1540 FIST #5695  
FISTS CC #764 - Proud Member ARRL  
TEN TEC SCOUT @ 5W or NORCAL 40A @ 1.3W  
INTO INFAMOUS AF4PS ATTIC DIPOLE  
SOC #400 AND FLYING PIGS QRP #-57

=====

----- Original Message -----

From: "George Osier" <gosier@twcnny.rr.com>  
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>  
Sent: Thursday, January 24, 2002 9:09 PM  
Subject: CQ WPX SSB 2001 results .....

> Hello All !!!  
>  
> Results from the CQ WPX SSB 2001 were :  
>  
> N2JNZ  
>  
> 4th place USA 28 MHZ QRP  
>  
> 10th place WORLD 28 MHZ QRP  
>  
> 217 QSOs X 180 multipliers = 107,460 pts  
>  
> Contest best for me !!!!!  
>  
> 73s  
>  
> George , N2JNZ / QRP  
>  
>  
>  
>

-----

Date: Thu, 24 Jan 2002 21:47:45 -0500  
From: "Michael N4NMR" <bowerm@ix.netcom.com>  
To: "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>  
Subject: [118257] RE: Tin box alert  
Message-ID: <NGBBJFCEKMGGLKMF0FBLAKEFICAAA.bowerm@ix.netcom.com>  
MIME-Version: 1.0  
Content-Type: text/plain;

charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Word of warning - (good thing)

Whenever I go to buy tea, I always check the shelves thoroughly. Almost always I'll find one or two of their packages with a tin inside. But you have to look. The stocking person doesn't care so he or she may put a regular box in front of a tin box containing package. You have to have eagle eyes and have to be willing to plunder. (yeah, I get strange looks from other customers and my wife's look is usually one of mirth. At least she understands (or puts up with anyway) what I'm doing.)

Happy tin hunting.

Michael N4NMR

-----Original Message-----

From: owner-qrp-1@Lehigh.EDU [mailto:owner-qrp-1@Lehigh.EDU] On Behalf Of Howard Kraus

Sent: Thursday, January 24, 2002 20:20 PM

To: Low Power Amateur Radio Discussion

Subject: Re: Tin box alert

A television commercial for Celestial Seasonings Tea announced that tins will appear in specially marked boxes of that tea. They seem to do this from time to time. Their tins are things of beauty, very collectable (to me), and are a bit smaller than a standard Altoids tin.

I was first turned on to them by Embedded Research who used one to mount their EMB TiCK keyer in. A perfect fit! Youse guys building Pixies and KD1JV/W7ZOI SMT keyers might wish to take note also.

72

Howard Kraus, K2UD

-----  
Date: Thu, 24 Jan 2002 19:17:37 -0800  
From: Bob Nielsen <nielsen@oz.net>  
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>  
Subject: [118258] Re: 2002 QRP DXCC Totals  
Message-ID: <20020125031737.GA14146@oz.net>

Mime-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Disposition: inline

On Thu, Jan 24, 2002 at 07:22:37PM -0600, Pat J. Whelton wrote:

> I was curious about some 2002 DXCC country totals so I looked up the links  
> given by AF4PS and W8DIZ and was amazed. It's totally awesome what these  
> guys have worked in less than a month at QRP levels. I was kind of  
> disappointed that very few of the contacts were on 20 meters (the band I'm  
> restricted to) and surprised at some of the juicy stuff they worked on 40  
> meters. I kinda wanted to get an idea of what I was missing on 20.  
>

Twenty meters can be a bit rough for QRP dxing because of the QRM, but it is certainly doable. I worked the following last year on 20, running 5 watts into a wire antenna at ~17 feet (I use the same antenna on 80 through 10 meters, with varying results):

CW: UA (AS), HA, F, UA (EU), PJ2, XE, SM, OH0, YL, DL, ZF, C6, V2, HC8, LY, VP2E, G, EA, OH, OZ, KL7, OK, S5, SP, ES, PY, VK, YU, LX, LZ, 4X, Z3

SSB: 8P, TI, S5, ON, OH, SP, GW, PA, YO, SV, TF, JW, 9K

Most of these were worked during contests and with a lot of patience, although I heard 9K2ZZ calling CQ last month and got him on the second call (beat out by another QRPer!)

73, Bob N7XY

--

Bob Nielsen, N7XY  
Bainbridge Island, WA  
IOTA NA-065, USI WA-028S

nielsen@oz.net  
<http://www.oz.net/~nielsen>

-----  
Date: Thu, 24 Jan 2002 19:19:54 -0800  
From: "Trevor Jacobs" <fxtech@earthlink.net>  
To: <enders@bolshoi.cc.misu.nodak.edu>,  
"Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>  
Subject: [118259] Re: Fox -- Twofer: \*YES\*!!! :-)  
Message-ID: <002d01c1a54f\$2923dc60\$9015f4d8@tjacobs>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Me too!!!! W000 H0000!!! What a night, I got started late at 02:58 and bagged both foxes within 20 minutes (including a bathroom break, Hi!). Band's in great shape! Thanks to both Foxii!! You are both doing a great job of keeping the stations off of your frequency. Makes it a lot easier to hear you. Good luck to everyone...you've still got time to find them.

72/73's

Trev

KG6CYN

----- Original Message -----

From: Todd Enders <enders@bolshoi.cc.misu.nodak.edu>

To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>

Sent: Thursday, January 24, 2002 6:37 PM

Subject: Fox -- Twofer: \*YES\*!!! :-)

>

> Wow, that was a blast! :-) I got Dan inside the first 10 mintues

> with 4W, then, less than 30 minutes later, got Jim with 350 mW! :-)

> Both foxii have huge signals here, and seem to be reeling off pelts in

> fine fashion. Conditions seem pretty darn good, so go get 'em! :-)

> Dan is lurking around 7.042, and Jim is holding forth on 7.037.

>

> 72/73,

>

> Todd, AG0T

>

>

-----  
Date: Thu, 24 Jan 2002 20:26:12 -0700

From: Dan Tayloe <dtayloe@home.com>

To: qrp-l@Lehigh.EDU

Subject: [118260] Re: PC Board Cutting

Message-ID: <3C50D054.8D5BA23@home.com>

MIME-Version: 1.0

Content-Type: text/plain; charset=us-ascii

Content-Transfer-Encoding: 7bit

I used a heavy duty paper cutter for a long time until it finally broke after many years of hard use. Since then, I have picked up a 12" metal sheer/brake (\$269) from Harbor freight.

When using a paper cutter, you simply need to apply a lot of force on the pc board as it is being cut (I tend to stand on it) since it tends to wants to slide out from under the blade, producing a slightly crooked



edge.

The only draw back I have had with this metal brake is that I have also started to use it to make radio cabinets also, but it is difficult to find scrap aluminum under 12" in width at the local metal scrap yard (Davis Metal in Phoenix is great!). If I did it all again, I might go with the next size larger.

The "brake" part of the thing doesn't work real well.... It is difficult to get a 90 degree bend. It tends to give something less than this.

- Dan Tayloe, N7VE; Phoenix, Az; Az ScQRPions

-----  
Date: Thu, 24 Jan 2002 19:51:08 -0800  
From: "Trevor Jacobs" <fxtech@earthlink.net>  
To: "Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>  
Subject: [118261] CW speed calculations  
Message-ID: <005701c1a553\$85c603e0\$9015f4d8@tjacobs>  
MIME-Version: 1.0  
Content-Type: text/plain;  
          charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Hi Everyone,

Had a quick question for you. I'm in the middle of a project, and part of the software is a keyer. The question is this. How long is a "dah" duration (in mS) for say 5 WPM CW? Also, is there a formula for determining the duration of a "dah" (I consider the "dah" the basis for timing), normal 1:3 weighting, for a specific WPM? Thanks...

72/73's  
Trev  
KG6CYN

-----  
Date: Thu, 24 Jan 2002 21:06:58 -0700 (MST)  
From: "Karl F. Larsen" <k5di@zianet.com>  
To: Trevor Jacobs <fxtech@earthlink.net>  
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>  
Subject: [118262] Re: Fox -- Twofer: \*YES\*!!! :-)  
Message-ID: <Pine.LNX.4.33.0201242104000.1624-1000000@Daisy.dog>  
MIME-Version: 1.0

Content-Type: TEXT/PLAIN; charset=US-ASCII

Me too! I got home from work at 0315 and got the 817 tuned up to my killer vertical and after getting my poor coax jumper getting all 5 watts out, worked first the high Fox after many calls, and then the low fox with 1 call. Good conditions and I had propagation gods on my side.

On Thu, 24 Jan 2002, Trevor Jacobs wrote:

> Me too!!!! W000 H0000!!! What a night, I got started late at 02:58 and  
> bagged both foxes within 20 minutes (including a bathroom break, Hi!).  
> Band's in great shape! Thanks to both Foxii!! You are both doing a great  
> job of keeping the stations off of your frequency. Makes it a lot easier  
> to hear you. Good luck to everyone...you've still got time to find them.

>

> 72/73's

> Trev

> KG6CYN

> ----- Original Message -----

> From: Todd Enders <enders@bolshoi.cc.misu.nodak.edu>

> To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>

> Sent: Thursday, January 24, 2002 6:37 PM

> Subject: Fox -- Twofer: \*YES\*!!! :-)

>

>

> >

> > Wow, that was a blast! :-) I got Dan inside the first 10 mintues

> > with 4W, then, less than 30 minutes later, got Jim with 350 mW! :-)

> > Both foxii have huge signals here, and seem to be reeling off pelts in

> > fine fashion. Conditions seem pretty darn good, so go get 'em! :-)

> > Dan is lurking around 7.042, and Jim is holding forth on 7.037.

> >

> > 72/73,

> >

> > Todd, AG0T

> >

> >

>

>

--

Yours Truly,

- Karl F. Larsen, k5di@arrl.net (505) 524-3303 -  
<http://www.zianet.com/k5di/>

-----  
Date: Thu, 24 Jan 2002 23:06:11 -0500  
From: Thomas Jennings <jennings@eznet.net>  
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>  
Subject: [118263] Fox: 2 foxii = Duck Soup!  
Message-ID: <3C50D9B3.15C4BA68@eznet.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Wow!  
Foxii easy to work tonight!  
Tom kv2x

-----  
Date: Fri, 25 Jan 2002 04:18:37 +0000  
From: jacksonharbor@att.net  
To: qrp-1@lehigh.edu  
Cc: fxtech@earthlink.net  
Subject: [118264] Re: CW speed calculations  
Message-ID:  
<20020125041838.HBQJ13869.mtiwmhc26.worldnet.att.net@webmail.worldnet.att.net>

Trev -

I use this formula from the ARRL handbook:

dit length in seconds = 1.2 / WPM

for 5 WPM, dit length is  $1.2/5 = .24$  or 240 ms  
a dah would be  $3 \times 240 = 720$  ms

Best Regards,

Chuck Olson, WB9KZY  
Jackson Harbor Press  
<http://jacksonharbor.home.att.net/>

-----  
Date: Thu, 24 Jan 2002 20:35:06 -0800  
From: "Trevor Jacobs" <fxtech@earthlink.net>  
To: <jacksonharbor@att.net>, <qrp-1@lehigh.edu>  
Subject: [118265] Re: CW speed calculations

Message-ID: <007101c1a559\$aaacac80\$9015f4d8@tjacobs>  
MIME-Version: 1.0  
Content-Type: text/plain;  
        charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Thanks a bunch Chuck!,

I had looked in the handbook and other publications, but couldn't find it for the past couple of days. This helps out a lot. Man this list rocks!

Best 72/73's

Trev

KG6CYN

----- Original Message -----

From: <jacksonharbor@att.net>

To: <qrp-l@lehigh.edu>

Cc: <fxtech@earthlink.net>

Sent: Thursday, January 24, 2002 8:18 PM

Subject: Re: CW speed calculations

> Trev -  
>  
> I use this formula from the ARRL handbook:  
>  
> dit length in seconds = 1.2 / WPM  
>  
> for 5 WPM, dit length is  $1.2/5 = .24$  or 240 ms  
> a dah would be  $3 \times 240 = 720$  ms  
>  
> Best Regards,  
>  
> Chuck Olson, WB9KZY  
> Jackson Harbor Press  
> <http://jacksonharbor.home.att.net/>  
>

-----  
Date: Thu, 24 Jan 2002 23:59:26 EST  
From: Macstein@aol.com  
To: fpqrp-l@mpna.com, qrp-l@lehigh.edu  
Subject: [118266] Truffle Log 01-25-02 AF4PS  
Message-ID: <18c.2520d69.2982402e@aol.com>  
MIME-Version: 1.0

Content-Type: text/plain; charset="US-ASCII"  
Content-Transfer-Encoding: 7bit

Thanks - nice solid pile the whole time. Sorry I missed  
a ton of you! (Especially WR50, DAVE!!!) Thanks for the faux WY Mike! Send  
corrections for my log, but Diz doesn't want to hear  
about it! oo

Truffle Log 01-25-02 AF4PS

|    |      |        |            |        |    |          |
|----|------|--------|------------|--------|----|----------|
| 01 | 0130 | W8DIZ  | 559 OH     | Diz    | 5w |          |
| 02 | 0131 | AJ4AY  | 559 AL     | Jay    | 2w |          |
| 03 | 0132 | KG4T   | 559 GA     | Jim    | 5w |          |
| 04 | 0133 | N1TP   | 559 FL     | Tom    | 5w |          |
| 05 | 0134 | W5YR   | 559 TX     | George | 5w |          |
| 06 | 0134 | K4BYF  | 559 FL     | Jack   | 5w |          |
| 07 | 0135 | AA50   | 559 LA     | Vern   | 5w |          |
| 08 | 0136 | K4FB   | 559 FL     | Paul   | 5w |          |
| 09 | 0137 | N9NE   | 579 WI     | Todd   | 5w |          |
| 10 | 0138 | K8KFJ  | 599 WV     | Gary   | 5w |          |
| 11 | 0140 | N8IE   | 559 OH     | Dan    | 5w |          |
| 12 | 0141 | W5TB   | 559 TX     | Doc    | 5w |          |
| 13 | 0142 | K8CV   | 559 MI     | Walt   | 5w |          |
| 14 | 0143 | K5JHP  | 559 TX     | Bill   | 5w |          |
| 15 | 0144 | KD5W   | 559 TX     | Dan    | 5w |          |
| 16 | 0145 | W9HL   | 559 IL     | Randy  | 5w |          |
| 17 | 0146 | K0EVZ  | 559 ND     | Doc    | 5w |          |
| 18 | 0147 | KK5NA  | 559 TX     | Joe    | 5w |          |
| 19 | 0148 | WV9N   | 559 OH     | Randy  | 5w |          |
| 20 | 0149 | N5ZE   | 559 TX     | Lew    | 5w |          |
| 21 | 0150 | K4LKL  | 559 FL     | Lisp   | 5w | <- Paul! |
| 22 | 0152 | N5JH   | 559 OK     | Tom    | 5w |          |
| 23 | 0153 | KD5KXF | 559 WY(TX) | Mike   | 5w |          |
| 24 | 0154 | K8MIA  | 559 WV     | Jim    | 5w |          |
| 25 | 0155 | KG4LDY | 559 VA     | Jim    | 5w |          |
| 26 | 0156 | WE9K   | 559 WI     | Glenn  | 5w |          |
| 27 | 0157 | WB6BWZ | 559 GA     | Matt   | 5w |          |
| 28 | 0158 | W5USJ  | 559 TX     | Chuck  | 5w |          |
| 29 | 0200 | VE5RC  | 559 SK     | Bruce  | 5w |          |

-- 0000 AF4PS 599 FL Mac 5w

-MAC-  
AF4PS  
Odessa, FL  
FP-51

-----

Date: Thu, 24 Jan 2002 23:10:53 -0600  
From: wa0goz@arrl.net  
To: qrp-1@Lehigh.EDU  
Subject: [118267] VX0 design  
Message-ID: <3C50E8DD.309F@arrl.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Does anyone know of a good source for detailing the design of VX0's,  
including calculating the crystal pulling components?

Thanks

Henry WA0GOZ

-----  
Date: Thu, 24 Jan 2002 23:11:48 -0600  
From: John Seboldt K0JD <k0jd-1@seboldt.net>  
To: qrp-1@Lehigh.EDU  
Subject: [118268] Re: PC Board Cutting  
Message-ID: <5.1.0.14.0.20020124231014.00a2e2e0@mail.seboldt.net>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"; format=flowed

At 05:35 PM 1/24/02 -0500, you wrote:  
>the larger wheels I was just talking about. If you can, use a dust mask,  
>glasses, and outdoors... That powder is not too good for you.

I usually keep the shop vac going when cutting/grinding stuff, especially  
from pc boards. There are often vacuum filters available with smaller pores  
to be sure you catch the little particles.

John K0JD  
Milwaukee  
[www.seboldt.net/k0jd/](http://www.seboldt.net/k0jd/)

-----  
Date: Fri, 25 Jan 2002 01:28:18 -0500  
From: lenny wintfeldt <w2bvh@home.com>  
To: "[Low Power Amateur Radio Discussion]" <qrp-1@Lehigh.EDU>  
Subject: [118269] OH0/OH7MM on 10.106  
Message-ID: <3C50FB02.4753B1B9@home.com>  
MIME-Version: 1.0

Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Hi

Just worked OH0/OH7MM (Aland Is in the Baltic) on 10.106. Excellent sig to the east coast. And he's willing to dig them out of the pileup. Give him a shout.

Lenny W2BVH

ps - anyone have a qsl route for him?

-----

Date: Thu, 24 Jan 2002 22:29:11 -0800  
From: "Trevor Jacobs" <fxtech@earthlink.net>  
To: "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>  
Subject: [118270] Fw: [AMRadio] Re: Low Power AM Night  
Message-ID: <001401c1a569\$9a99bbc0\$9015f4d8@tjacobs>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

QRP AM is alive and well on the West Coast!!!

----- Original Message -----

From: <W7QHO@aol.com>  
To: <amradio@mailman.qth.net>  
Sent: Thursday, January 24, 2002 8:28 PM  
Subject: Re: [AMRadio] Re: Low Power AM Night

> Don't have the stats and there may be a full report from the NCS  
> later, but  
> we had a great time with low power out here on the West Coast last  
> night.  
> Great band condx and lots of check-ins. I had my GRC-9 on running 5  
> watts and  
> did great. Sorry conditions weren't good in other parts of the  
> country.  
> Would like to see this activity become a regular thing.  
>  
> Dennis D. W7QHO  
> Glendale, CA  
> -----

> AMRadio mailing list  
> AMRadio@mailman.qth.net  
> <http://mailman.qth.net/mailman/listinfo/amradio>  
>

-----  
Date: Thu, 24 Jan 2002 23:30:54 -0700  
From: "J. Medley" <jmedley@ix.netcom.com>  
To: qrp-1@lehigh.edu  
Subject: [118271] Backpack antennas  
Message-ID: <3C50FB9E.5DAA1652@ix.netcom.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Hi folks,

Found a neat little antenna reminiscent of the Outbacker on the following site. It's listed as a Yaesu FT-817 accessory, but don't see why it couldn't be used with anything else. It's called the ATX-Walkabout. As an owner of an Outbacker, I very much appreciate the short little fly lead used on the Walkabout. It's a little bit frustrating to keep winding the fly lead around the Outbacker every time you want to change bands. The only drawback to the Walkabout that I see is that it uses the front BNC connector on the FT-817; which means you have to stand the radio up to get the antenna pointed upward. But an 90-degree angled BNC adaptor would solve that problem rather quickly.

Here's the site:

<http://www.powerportstore.com/FT817%20Accessories.htm>

Jan, N0QT

-----  
Date: Fri, 25 Jan 2002 06:19:33 -0500  
From: John R Kirby <n3aaz-qrp@juno.com>  
To: qrp-1@Lehigh.EDU  
Subject: [118272] RE: ON5EX 30M QRPP Belgian Beacon Friday  
Message-ID: <20020125.062108.-136579.0.n3aaz-qrp@juno.com>  
MIME-Version: 1.0



Content-Type: text/plain  
Content-Transfer-Encoding: 7bit

Thanks for the heads up Paul (AA4XX).

Yes, had the pleasure of his (ON5EX)  
FOX Hunt (and shot the FOX) a few weeks back.

A very interesting mode (saw some other 'clandestine' stuff too).

For others interested, more info and the free software discussed below. .  
.

You can also check out

<http://www.weaksignals.com/>

enjoy.

Along these lines . . . If you want to walk on the WILD side?  
You could get HQQKED on SpectrumLab  
not just QRSS, it will do PSK31 and other modes too.  
This program is BETA (still 'under construction').  
You can find the latest version on the author's  
ham-radio homepage:

[www.qsl.net/dl4yhf](http://www.qsl.net/dl4yhf)

NOTE . . . IF . . .  
    vcl40.bpl  
is NOT already on your computer  
also download it from the same site  
((that is . . . VCL4 Zero.BPL))  
a 1844KB Borland C++ file required to support  
the small >C< SpectrumLab software package.

Enjoy,

72  
John  
N3AAZ  
FM 19 xa

From: Paul Stroud <aa4xx@ipass.net>  
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
Date: Fri, 25 Jan 2002 09:18:09 -0500

Subject: ON5EX 30M QRPP Belgian Beacon Friday

Hi Gang,

Johan, ON5EX, will be running a mW beacon Friday evening, beginning 22:30 UTC. (5:30PM-8:00PM EST Friday). Please see details below.

Johan will be running "QRSS" mode. "QRSS3" means the dots are 3 sec long, and the dashes are 9 sec long. Similarly "QRSS10" signifies 10 second dots and 30 second dashes. If the signal is strong enough, you can even use a stopwatch or clock to decode the dots and dashes.

Several free DSP programs are available to decode the QRSS transmissions. ARGO and SPECTRAN are two popular programs which are available on the web. You can do a web search on the program names to find the appropriate URL's to download these DSP programs.

To use these programs, simply patch your receiver's headphone audio into the line or mic input of your computer's soundcard. Then set the DSP program parameters for the appropriate QRSS speed and audio input source. ARGO is very intuitive and easy to set up. If you have a spare transmitter or a signal generator, you can use it as a "test" signal source to ensure that you are set up to receive on the correct frequency. Johan will be transmitting on 10,142.000 khz +/- 3hz. If you transmit a 10 second test carrier on that frequency while set up for QRSS10 mode, you should see a ten second dot flow across your screen from right to left. Your VFO/synthesizer must be quite stable--ideally within 5hz over a long period.

If you can hear the German beacon DK0WCY on 10,144 khz, you may well be able to hear ON5EX at the 500mW level. ON5EX has been copied down to the 50mW level in the US this Winter. DK0WCY is being copied RST 559 as of 0151 UTC this evening. (Using an 80M dipole--QTH Raleigh, NC).

With the DSP receiving programs, you sometimes "see" the code stroll across your screen when you cannot actually "hear" the signal. It has been stated that at times, the DSP programs can dig as far as 30dB below the noise floor to extract a signal. For more info on QRSS receiving and transmitting, you may refer to the excellent LWCA (Longwave Club of America) website.

Should you not be able to listen this time, don't worry. Johan will be running more sessions this Winter.

US East Coast stations probably have the best chance of hearing ON5EX during the allotted time frame, but reports from MidWest and Western stations would be most welcomed. Again, if you can copy DK0WCY on 10144.00 khz, you stand an excellent chance of hearing ON5EX at one or

more power levels. If you can't copy DK0WCY, your chances of hearing ON5EX are next to NIL.

Thanks to Johan for running this series of very interesting beacon sessions. His detailed posting follows: 72, es good luck! Paul AA4XX

-----  
Johan Smet (ON5EX) wrote:

>

> G'day Sirs,

> Seems like sunset (USA end of path) is the right time for QRSS beacon hunting, >perfectly aligned with propagation theory.

>

> Note that the tx antenna is far from optimal: inverted-V shaped Carolina

> Windom, apex at 6m5. Wx permitting, we'll mount a vertical or/and a tuned

> dipole and compare reports.

>

> 3 sessions are scheduled for next Friday, Jan 26, on 10142 kHz:

>

> 22:30-23:00 UTC: QRSS3, 500mW,

> 23:00-00:00 UTC: QRSS10, 100mW

> 00:00-01:00 UTC: QRSS30, 50mW

>

> The beacon text will include "ON5EX" and a different 5-character code per

> session.

>

> The Aurora beacon DK0WCY on 10.144 (30W to a dipole, 24/24, see

> www.dk0wcy.de) is a good indicator: no use monitoring if you cannot copy

> this one.

> 72,

>

> Johan ON5EX

-----  
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<http://dl.www.juno.com/get/web/>.

-----  
Date: Fri, 25 Jan 2002 09:04:45 -0500 (EST)

From: "n2cx" <n2cx@voicenet.com>

To: njqrp@njqrp.org  
Cc: qrp-1@lehigh.edu  
Subject: [118273] Re: NJQRP meeting this Saturday  
Message-ID: <200201251404.g0PE4jc29318@email1.voicenet.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=iso-8859-1

Gang,

Gotta reinforce the "unofficial" theme for this Saturday's meeting.

It is \*loopiness.\*

No we are not suffering cabin fever, nor did we manage to get Nils as a guest speaker - OTOH we do have some members who are on semipermanent "ozone" expeditions....

What we mean is loopiness in the sense of loop antennas! Several members have brought their magnetic loops to our show and tell sessions in the past and a number of members have expressed an interest in them. Shucks, W2MGM even made up a spreadsheet to analyze the heck our of various configurations.

So bring along your transmitting loops, your receiving loops, your pictures, your sketches, your yearning masses yearning to breathe free ---- oops! you know what we mean.

We can guarantee a return of the

N2CX-WHY-DID-I-EVER-COMMIT-TO-THIS-HOW-WILL-I-EVER-FINISH-IT-IN-TIME-AND-STILL-KEEP-MY-JOB-AND-FAMILY-OBLIGATIONS-PVC-GUSHER-LOOP-THE-LOOP-RAINBOW-TUNA-TIN-II-FIREBALL-40-TICK-KEYER-UGLY-WEEKENDER-FIFIELD/MEACHAMIZED-WITH-MRX-TECHNOLOGY-1999-PACIFICON-BUILDING-AND-OPERATING-CONTEST-ENTRY

otherwise know as the "long-title" loop.

And another item will be one of the DCTL loops along with a custom table-top PVC pipe support. Say, has any QRP'er actually made any unscheduled on-the-air QSO's with a DCTL?

So bring what you got, be it hardware, software, pictures, skeches, books, wild ideas, etc and participate in our January loopiness. And even if you don't have anything to bring you can sit back and shake your head in amazement...

Joe, N2CX and George, N2APB  
for the NJQRP club

-----  
Date: Fri, 25 Jan 2002 09:39:25 -0500  
From: "Lau, Zack, W1VT" <zlau@arrl.org>  
To: "'qrp-1@Lehigh.EDU'" <qrp-1@Lehigh.EDU>  
Subject: [118274] Re: Ground .vs. Counterpoise results  
Message-ID: <125490A005E3D3118C9C00805FC743CC027E3198@KAHLESS>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"

I published an article on off center fed dipoles in the March/April  
QEX--unlike a  
balanced dipole, properly decoupling the feedline is no easy task. I showed  
some examples of techniques that weren't as effective as many hams believe.

Technology has changed a lot since the 60's--tube circuitry is generally  
high  
voltage, low current. Rigs were often had complete Faraday shields to  
prevent  
TVI. Such shields are also useful in eliminating RF feedback problems.

Not only do modern rigs incorporate low voltage, high current devices, but  
the  
overall gain of the RF stages is generally higher. The use of self  
shielding toroids  
often eliminates the need for extensive shielding for TVI protection.  
However, I  
suspect that some designs will cope poorly with unwanted coax shield  
currents--there  
will be a significant current flowing where it can upset sensitive circuits.

For example, suppose the microphone cord is an excellent quarter wave  
counterpoise.  
Why shouldn't a significant amount of shield current flow across the chassis  
into the  
mic cord? Suppose there is no Faraday shield but just circuit board traces  
between the antenna shield connection and the mic connection. How much will  
a series  
ferrite bead with 100 ohms of impedance stop the current, if the other  
possible paths  
have a much higher impedance? How effective can you make your decoupling  
circuits over

all bands?

Obviously, I could go on and on.

Short summary--

- 1) OCFDs may require advanced system design
- 2) Balanced dipoles are the quick and easy solution.

Good luck--Zack W1VT

-----  
Date: Fri, 25 Jan 2002 09:49:48 -0500  
From: Donn Kuse <casey.jay@gte.net>  
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>  
Subject: [118275] K1 Reviews  
Message-ID: <3C51708C.57968414@gte.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Hi all,  
Ken, N9VV suggested more comments about the K2. What about those who own the K1? I would like to hear more info about the K1. Believe a lot of us have started with this one because of the initial investment involved.  
72/73 Donn, WB4ZWT  
66 and still learning

-----  
Date: Fri, 25 Jan 2002 09:01:31 -0800  
From: "=?iso-8859-1?B?TthCUw==?=" <n0bs@msn.com>  
To: <qrp-l@lehigh.edu>  
Subject: [118276] Pearls  
Message-ID: <NFBBKGFDFGLNKCKOKBBOCAECACMAA.n0bs@msn.com>  
MIME-Version: 1.0  
Content-Type: text/plain;  
                charset="iso-8859-1"  
Content-Transfer-Encoding: 8bit

Although I almost never post to this list,  
I monitor it daily to gather various pearls  
of wisdom that pop up on a regular basis.

Lee, km4yy offered the following one, a quote from some guy much more eloquent and intelligent than I.

"No one can draw more out of things, books included, than he already knows. A man has no ears for that to which experience has given him no access."

--Friedrich Nietzsche

Long ago, as an engineering student, I never studied Nietzsche, but somewhere along the line I gathered a saying that has been a favorite of mine over the years.

"I don't understand everything I know about this."

I believe this quote is essentially the blue collar version of the previous one! One can "know" things but not understand them. Believe me, I can prove it!

This is precisely why we should be obligated by the ham code of ethics to patiently "Elmer" our fellow hams, be they newbies or OF's like myself. You will never "know AND understand" it all.

As a shining example of this, my hat is off to my friend George, W5YR who has consistently demonstrated this attitude and trait on this forum and others. He is but one of many that we should thank for it.

Tom Moll N BS

PS There's one case where a rash of "I'm leaving here" posts might be welcomed by the group! Ya know what I mean?

-----

Date: Fri, 25 Jan 2002 10:05:08 -0500  
From: "David Porter" <aa3ur@home.com>  
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
Subject: [118277] Strange batteries  
Message-ID: <003301c1a5b1\$ae1e4ba0\$927ba8c0@jamison1.pa.home.com>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

I just took some batteries out of an old project that has been sitting

around for more than a year. There are four AA Duracell alkalines. One of them reads negative 1.1 volts, the others are around positive 1.3 to 1.5.

This is the first time I've ever seen polarity reversal. Is this common?

David Porter AA3UR  
aa3ur@home.com

-----  
Date: Fri, 25 Jan 2002 10:32:23 -0500  
From: Kenneth Hoglund <hoglund@wfu.edu>  
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>  
Subject: [118278] Last Call RATC Logs  
Message-ID: <3C517A87.18673D62@wfu.edu>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Gang--

The deadline is fast approaching for "Rock Around the Clock" logs. We need to have them all in by the end of the day January 30th. Even if you only managed a couple of qso's, please submit something--it will help us gauge how much interest there may be in repeating the effort.

Please feel free to ask me any questions about the event off-list.

73  
Ken KG4FGC

-----  
Date: Fri, 25 Jan 2002 10:58:39 -0500  
From: "Mike Yetsko" <myetsko@insydesw.com>  
To: <aa3ur@home.com>,  
"Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>  
Subject: [118279] Re: Strange batteries  
Message-ID: <002e01c1a5b9\$292afb20\$0600a8c0@charter.net>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

It's common with nicads, but I've not seen it before with alkalines.



Think about it. If you have cells in series, and one is 'weaker' than the rest, when it 'goes dead' but the device is still drawing power from the pack, isn't the current flow charging that first dead cell backwards?

That's one reason why you should NEVER mix cells. If you replace one, replace them all, to keep them at 'about' the same level of charge, and to make sure they have about the same reserve.

I didn't know it was possible to charge an alkaline in reverse. Very easy to do with nicads, but with nicads, when charged in reverse, the material internal to the cell 'electroplates' wrong and forms what I seem to recall are call 'dendrites'. (I may be totally wrong on that name.) Anyway, these little fingers are what 'short out' a nicad, and they are relatively easy to 'pop' out of there. This can happen on brand new cells, and if they are recovered, they are very close to original capacity.

Mike

----- Original Message -----

From: "David Porter" <aa3ur@home.com>

> I just took some batteries out of an old project that has been sitting  
> around for more than a year. There are four AA Duracell alkalines. One  
of  
> them reads negative 1.1 volts, the others are around positive 1.3 to  
1.5.

>

> This is the first time I've ever seen polarity reversal. Is this  
common?

>

> David Porter AA3UR

> aa3ur@home.com

-----  
Date: Fri, 25 Jan 2002 16:00:23 -0000  
From: Mike Bray <mikebray@uplogon.com>  
To: "'qrp-1@lehigh.edu'" <qrp-1@lehigh.edu>  
Subject: [118280] re: 2002 qrp dxcc totals  
Message-ID: <01C1A5B9.71F503A0.mikebray@uplogon.com>

Pat J. Whelton wrote:

I was curious about some 2002 DXCC country totals so I looked up the links

given by AF4PS and W8DIZ and was amazed. It's totally awesome what these guys have worked in less than a month at QRP levels. I was kind of disappointed that very few of the contacts were on 20 meters (the band I'm restricted to) and surprised at some of the juicy stuff they worked on 40 meters. I kinda wanted to get an idea of what I was missing on 20. I would really be interested in a description of their antenna's.

Pat,

Just for fun, I decided to see how many countries I could work with my DSW-20 over a contest weekend. I had just built the DSW-20 the month prior to the ARRL International DX Contest (2/17/01 thru 2/18/01) and was having a ball with it! Granted, there isn't any rare DX here, but this will give you an idea what 2 watts to a G5RV antenna at 37 feet can do from the Upper Peninsula of Michigan (grid EN65cr). Note that most of the countries worked are Europe and the Caribbean, but I have worked Mauritius and New Zealand with the same setup.

|                      |          |       |
|----------------------|----------|-------|
| Aland Island         | OH0PM    |       |
| Anguilla             | VP2E     |       |
| Antigua & Barbuda    | V26G     |       |
| Argentina            | LU1DZ    |       |
| Aruba                | P49V     |       |
| Asiatic Russia       |          | UA90W |
| Austria              | OE2S     |       |
| Bahamas              | C6AKP    |       |
| Brazil               | PY2EX    |       |
| Bulgaria             | LZ4ZP    |       |
| Cayman Islands       |          | ZF2NT |
| Croatia              | 9A7A     |       |
| Cyprus               | C4A      |       |
| Czech Republic       |          | OL5Q  |
| Denmark              | OZ0X     |       |
| England              | G3MXJ    |       |
| Estonia              | ES4RD    |       |
| European Russia      | RU1A     |       |
| Finland              | OH8L     |       |
| France               | TM5C     |       |
| Galapagos Islands    | HC8N     |       |
| Germany              | DJ7AA    |       |
| Hungary              | HA0MO    |       |
| Ireland              | EI7M     |       |
| Isle of Man          | MD/DL5AX |       |
| Italy                | IR4T     |       |
| Latvia               | YL8M     |       |
| Lithuania            | LY7A     |       |
| Moldova              | ER0ND    |       |
| Netherlands Antilles |          | PJ2T  |
| Poland               | SP7GIQ   |       |
| Saint Kitts & Nevis  |          | V47KP |

Slovak Republic            OM3NA  
Slovenia            S530  
Spain            EA5FV  
Sweden            SM4CAN  
Turks & Caicos Is   VP5U  
USA Hawaii            KH6TO  
Virgin Islands            WP2Z  
Yugoslavia            YZ9A

The DX contest is coming up again next month, so get your antennas up and see what you can do. I'd be interested in how you do.

72,  
Mike Bray, KA1DDB  
QRPing in the Upper Peninsula of Michigan  
Grid: EN65cr  
Mikebray@uplogon.com

-----  
Date: Fri, 25 Jan 2002 11:09:43 EST  
From: MITCHELLRI@aol.com  
To: <qrp-l@lehigh.edu>  
Subject: [118281] Test post  
Message-ID: <155.7db018e.2982dd48@aol.com>  
Mime-Version: 1.0  
Content-Type: text/plain; charset=ISO-8859-1  
Content-Transfer-Encoding: 7bit

Just trying to see if difficulties posting are solved

-----  
Date: Fri, 25 Jan 2002 10:25:22 -0600  
From: "George, W5YR" <w5yr@att.net>  
To: n0bs@msn.com  
Cc: "qrp-l@Lehigh.edu" <qrp-l@Lehigh.edu>  
Subject: [118282] Re: Pearls  
Message-ID: <3C5186F2.1F49888C@att.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=iso-8859-1  
Content-Transfer-Encoding: 8bit

Tom, you have made my day . . .

Many thanks for the kind words - I hope that I can continue to contribute in the hope that someone will be helped and encouraged to learn more on

their own.

To me it is a criminal waste for those of us with decades of amateur and professional experience to fail to share what we can with others.

72/73/00, George W5YR - the Yellow Rose of Texas  
Fairview, TX 30 mi NE of Dallas in Collin county EM13qe  
Amateur Radio W5YR, in the 56th year and it just keeps getting better!  
QRP-L 1373 NETXQRP 6 SOC 262 COG 8 FPQRP 404 TEN-X 11771  
Icom IC-756PRO #02121 Kachina #91900556 IC-765 #02437

All outgoing email virus-checked by Norton Anti-Virus 2002

N BS wrote:

>  
> This is precisely why we should be obligated by the  
> ham code of ethics to patiently "Elmer" our fellow  
> hams, be they newbies or OF's like myself. You will  
> never "know AND understand" it all.  
>  
> As a shining example of this, my hat is off to my friend  
> George, W5YR who has consistently demonstrated this  
> attitude and trait on this forum and others. He is but  
> one of many that we should thank for it.

-----  
Date: Fri, 25 Jan 2002 10:39:29 -0600  
From: Dave Sjolín <sjolin@swbell.net>  
To: mikebray@uplogon.com  
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>  
Subject: [118283] Re: 2002 qrp dxcc totals  
Message-ID: <3C518A40.1B8912AF@swbell.net>  
MIME-version: 1.0  
Content-type: text/plain; charset=us-ascii  
Content-transfer-encoding: 7BIT

Mike Bray wrote:

>  
> Pat J. Whelton wrote:  
> I was kind of disappointed that very few of the contacts were on 20  
> meters (the band I'm restricted to) and surprised at some of the juicy > stuff  
they worked on 40 meters.

There is a lot of dx to be worked on 40 especially if you look down in the bottom 25 khz. During cw contests you can find it throughout the

band. Tuesday night there were loads of Europeans booming into the Midwest with signals well over S9. Even if they were running KW, they should be able to hear qrp.

73 de Dave, N0IT

-----  
Date: Fri, 25 Jan 2002 10:45:19 -0600  
From: "Jim N0UR" <n0ur@mediaone.net>  
To: "QRP-L" <qrp-l@Lehigh.EDU>  
Subject: [118284] FOX: Raw log - N0UR  
Message-ID: <001301c1a5bf\$a1b560\$19542942@mn.mediaone.net>  
MIME-Version: 1.0  
Content-Type: text/plain;  
        charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

First, thanks to all who hung in there and got in the log. I had a feeling it was going to be a good night when a QSO ended on the frequency I wanted 30 seconds before the start of the hunt. Rig was a K2 @ 5 watts to a good ol dipole.

Let know of any typos/mistakes

|      |        |         |              |   |
|------|--------|---------|--------------|---|
| 0201 | K3IU   | 579 579 | RI KEN 5W    | * |
| 0201 | N4ROA  | 579 579 | VA DAN 5W    |   |
| 0202 | WA8BXN | 579 589 | OH MIKE 5w   |   |
| 0202 | K9IUA  | 579 559 | IA KEVIN 5W  |   |
| 0203 | W0UFO  | 579 559 | MN MERT 5W   |   |
| 0204 | K0EVZ  | 579 599 | ND DOC 5W    |   |
| 0205 | K5JHP  | 579 559 | TX BILL 5    |   |
| 0206 | K8CV   | 579 559 | MI WALT 5W   |   |
| 0206 | K0FRP  | 579 579 | CO AL 5W     |   |
| 0207 | W9XU   | 579 559 | WI LON 5W    |   |
| 0207 | N5GJQ  | 579 579 | LA MIKE 5    |   |
| 0208 | KA1DDB | 579 589 | MI MIKE 5W   |   |
| 0209 | VE4WI  | 579 559 | MB CRAIG 5w  | * |
| 0209 | WA9TZE | 579 599 | WI JIM 5W    |   |
| 0210 | AJ4AY  | 579 559 | AL JAY 5W    |   |
| 0211 | WE9K   | 579 599 | WI GLENN 5W  |   |
| 0211 | KR5C   | 579 599 | TX GEORGE 5w |   |
| 0212 | N9AW   | 579 559 | WI JERRY 5w  |   |
| 0212 | VE5RC  | 579 599 | SK BRUCE 5w  |   |
| 0213 | W9HL   | 579 559 | IL RANDY 5w  |   |
| 0214 | N1FN   | 579 559 | CO ET 5W     |   |

|      |        |     |     |    |        |       |
|------|--------|-----|-----|----|--------|-------|
| 0214 | W0PWE  | 579 | 599 | IA | JERRY  | 5W    |
| 0215 | N0AR   | 579 | 599 | MN | SCOTT  | 5W    |
| 0216 | W5YR   | 579 | 559 | TX | GEORGE | 5W    |
| 0216 | AC5JH  | 579 | 559 | OK | TOM    | 5W    |
| 0217 | K9IS   | 579 | 579 | WI | STEVE  | 4W    |
| 0218 | AE4Y   | 579 | 599 | GA | KENT   | 5W    |
| 0219 | W5USJ  | 579 | 559 | TX | CHUCK  | 5W    |
| 0219 | K4GT   | 579 | 559 | GA | JIM    | 5W    |
| 0220 | NX8C   | 579 | 559 | MI | NEIL   | 5W    |
| 0220 | W8VJW  | 579 | 559 | MI | JOHN   | 5W    |
| 0221 | W0CH   | 579 | 599 | MO | DAVE   | 900MW |
| 0222 | NV4V   | 579 | 579 | KY | PETE   | 5W    |
| 0222 | N0HRL  | 579 | 559 | MN | KEN    | 5W    |
| 0223 | VA6RF  | 579 | 559 | AB | EARL   | 5W    |
| 0224 | N0EA   | 579 | 579 | MO | JERRY  | 5W    |
| 0225 | K3PH   | 579 | 599 | PA | BOB    | 5W    |
| 0225 | K50I   | 579 | 559 | OK | TIM    | 5W    |
| 0226 | VE6EX  | 579 | 559 | AB | DAN    | 5W    |
| 0227 | AA50   | 579 | 559 | LA | VERN   | 5W    |
| 0227 | K9DC   | 579 | 559 | IN | DAVE   | 5W    |
| 0228 | AB0CD  | 579 | 599 | CO | DICK   | 5W    |
| 0228 | W3CD   | 579 | 599 | CA | BOB    | 5W    |
| 0229 | W0JOE  | 579 | 559 | MO | JOE    | 5W    |
| 0229 | KC1FB  | 579 | 559 | CT | JIM    | 5W    |
| 0230 | K5E0A  | 579 | 559 | LA | WAYNE  | 5W    |
| 0231 | K7TQ   | 579 | 559 | ID | RANDY  | 5W    |
| 0232 | N9IJ   | 579 | 579 | IL | LEN    | 5W    |
| 0233 | N0TU   | 579 | 555 | CO | STEVE  | 500MW |
| 0233 | NM5M   | 579 | 579 | TX | ERIC   | 5W    |
| 0234 | AG0T   | 579 | 599 | ND | TODD   | 350MW |
| 0235 | K5PSH  | 579 | 579 | TX | JERRY  | 5W    |
| 0235 | K8KFJ  | 579 | 559 | WV | GARY   | 5W    |
| 0236 | W8RU   | 579 | 599 | MI | RON    | 5W    |
| 0236 | KQ5U   | 579 | 559 | TX | TERRY  | 5W    |
| 0237 | K8IQY  | 579 | 589 | MI | JIM    | 2W    |
| 0238 | KJ6CA  | 579 | 539 | CA | BOB    | 5W    |
| 0238 | KB9YIG | 579 | 569 | IN | TONY   | 5W    |
| 0240 | K2PQ   | 579 | 599 | NJ | FRANK  | 5W    |
| 0241 | K4FB   | 579 | 569 | FL | PAUL   | 5W    |
| 0242 | KK5LD  | 579 | 559 | TX | DAN    | 5W    |
| 0243 | W7ILW  | 579 | 559 | AZ | WALT   | 5W    |
| 0244 | N3ZPQ  | 579 | 559 | OH | FRANK  | 4W    |
| 0244 | NU8S   | 579 | 559 | OH | DENNIS | 5W    |
| 0245 | N1TP   | 579 | 559 | FL | TOM    | 5W    |
| 0246 | VE30U  | 579 | 589 | ON | ERN    | 100W  |
| 0246 | N5ZE   | 579 | 559 | TX | LEW    | 5W    |
| 0247 | N0TK   | 579 | 579 | CO | DAN    | 5W    |
| 0248 | AF4PS  | 579 | 559 | FL | MAC    | 3W    |

|      |        |     |     |    |        |       |
|------|--------|-----|-----|----|--------|-------|
| 0248 | KD5KXF | 579 | 559 | TX | MIKE   | 5W    |
| 0249 | K4BYF  | 579 | 559 | FL | JACK   | 5W    |
| 0250 | AD6JV  | 579 | 559 | CA | BILL   | 5W    |
| 0251 | N9NE   | 579 | 559 | WI | TODD   | 250MW |
| 0251 | KI0II  | 579 | 559 | CO | RON    | 1W    |
| 0252 | KK5NA  | 579 | 559 | TX | JOE    | 5W    |
| 0253 | N4MAP  | 579 | 559 | GA | SAM    | 5W    |
| 0253 | K0PC   | 579 | 599 | MN | PAT    | 5W    |
| 0254 | K7GT   | 579 | 559 | CA | ALLAN  | 5W    |
| 0255 | NF0R   | 559 | 599 | MO | DAVE   | 250MW |
| 0256 | AA7XA  | 579 | 559 | OR | FRANK  | 5W    |
| 0256 | K6VNX  | 579 | 559 | CA | ARLEN  | 5W    |
| 0257 | KB7WW  | 559 | 559 | OR | ART    | 5W    |
| 0257 | WB6BWZ | 559 | 559 | GA | MATT   | 5W    |
| 0258 | K1KID  | 559 | 559 | MA | CARL   | 5W    |
| 0259 | NQ7X   | 559 | 559 | AZ | FLOYD  | 5W    |
| 0300 | W5TB   | 559 | 559 | TX | DOC    | 5W    |
| 0301 | W0RSP  | 559 | 579 | SD | ADE    | 4W    |
| 0301 | N6WG   | 559 | 559 | CA | BOB    | 5W    |
| 0302 | KB3E0F | 579 | 599 | MD | SANDY  | 500MW |
| 0302 | NK9G   | 579 | 559 | WI | RICK   | 5W    |
| 0303 | N5IB   | 559 | 559 | LA | JIM    | 5W    |
| 0304 | WR50   | 559 | 559 | TX | DAVE   | 5W    |
| 0304 | AF4LQ  | 579 | 559 | KY | MIKE   | 5W    |
| 0305 | NG7Z   | 559 | 549 | WA | PAUL   | 5W    |
| 0306 | W5YA   | 579 | 579 | NM | FRED   | 5W    |
| 0306 | K5DW   | 559 | 559 | TX | DON    | 5W    |
| 0307 | WE6W   | 559 | 559 | CA | ED     | 5W    |
| 0308 | K7EL   | 559 | 559 | OR | DAVE   | 5W    |
| 0309 | NQ7T   | 559 | 559 | WA | GARY   | 5W    |
| 0309 | W8SFF  | 579 | 559 | MI | STEVE  | 5W    |
| 0311 | KB8UMD | 579 | 599 | MI | JOHN   | 4W    |
| 0311 | WU9F   | 559 | 559 | WI | TERRY  | 5W    |
| 0312 | K4ADI  | 579 | 559 | SC | FRANK  | 5W    |
| 0312 | K4TJD  | 579 | 559 | GA | TOM    | 5W    |
| 0313 | NK6A   | 559 | 559 | CA | DON    | 5W    |
| 0314 | KG6CYN | 559 | 559 | CA | TREV   | 5W    |
| 0315 | KT5X   | 559 | 589 | TX | FD     | 5W    |
| 0316 | W4NJK  | 559 | 559 | CA | CHARLI | 5W    |
| 0317 | N5FOC  | 559 | 589 | NM | JAY    | 100W  |
| 0319 | KL7IXI | 559 | 579 | WA | MIKE   | 5W    |
| 0320 | K4JPN  | 559 | 579 | GA | STEVE  | 4W    |
| 0322 | KG7PV  | 559 | 559 | OR | STEVE  | 5W    |
| 0322 | K5DI   | 579 | 599 | NM | KARL   | 5W    |
| 0323 | KE6RS  | 559 | 559 | CA | RON    | 5W    |
| 0324 | KC9LC  | 579 | 559 | VA | RANDY  | 5W    |
| 0325 | K5ZTY  | 579 | 559 | TX | BILL   | 5W    |
| 0326 | N0RC   | 579 | 599 | CO | ROD    | 5W    |

|      |        |         |              |
|------|--------|---------|--------------|
| 0329 | WV9N   | 579 559 | OH RANDY 5W  |
| 0330 | KJ0C   | 579 599 | MO JIM 5W    |
| 0330 | KV2X   | 579 559 | NY TOM 5W    |
| 0331 | KC0ATC | 559 559 | CO CHRIS 3W  |
| 0332 | VE3FAL | 579 579 | ON FRED 5W   |
| 0333 | K50GX  | 579 559 | AR PHIL 5W   |
| 0334 | WB8WTU | 579 559 | OH DENNIS 2W |
| 0335 | KG4LDY | 579 559 | VA JIM 5W    |
| 0338 | K8ZA   | 559 559 | WV JIM 5W    |
| 0339 | KC0GXX | 579 599 | NE TOM 2W    |
| 0340 | KD7CTF | 559 559 | OR LEE 5W    |
| 0346 | KI0RB  | 579 559 | CO VINCE 5W  |
| 0349 | N2WW   | 579 559 | CO LARRY 5W  |
| 0351 | VE3JC  | 579 559 | ON JOHN 5W   |
| 0352 | AF4PP  | 579 559 | GA CHUCK 5W  |
| 0353 | KG4CHX | 579 559 | NC TIM 5W    |
| 0355 | AK7D   | 559 579 | OR FRED 5W   |
| 0357 | AK7Y   | 559 559 | AZ GREG 3W   |
| 0358 | N0WXD  | 559 559 | SAM MO 2W    |
| 0400 | N7CQR  | 599 599 | OR DAN FOX   |
| 0400 | N0UR   | 599 599 | MN JIM FOX   |

-----

Date: Fri, 25 Jan 2002 11:17:27 -0700 (MST)  
 From: "Paul Harden, NA5N" <na5n@rt66.com>  
 To: Dave Sjolín <sjolin@swbell.net>  
 Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>  
 Subject: [118285] Re: 2002 qrp dxcc totals  
 Message-ID: <Pine.SUN.4.10.10201251058590.290-1000000@shell.rt66.com>  
 MIME-Version: 1.0  
 Content-Type: TEXT/PLAIN; charset=US-ASCII

On Fri, 25 Jan 2002, Dave Sjolín wrote:

> There is a lot of dx to be worked on 40 especially if you look down in  
 > the bottom 25 khz.

Good advice, Dave. This is true for 40-20-15-10M. But remember, you



don't have to be an Extra Class to work the bottom 25KHz of 10M, so when 10M is open, check out the bottom 25KHz for some good DX.

> Tuesday night there were loads of Europeans booming into the  
> Midwest with signals well over S9.

Timing is everything. There is only so much dx you can expect to work mid-afternoon or early evening in the US. Try getting on late evening, like around midnight once in awhile, and you'll catch a bunch of Europe/Africa/Middle East when it's early morning for them. At that time, I've heard gobs of Europeans, including the Baltic/old Soviet countries, calling CQ over and over with no takers on 20-30M, and occassionally on the bottom end of 40M.

> Even if they were running KW, they should be able to hear qrp.

Couple of nights ago, worked F5?? in France (OK, not exotic dx). He was 200W, 569, and apologized that his beam was pointed to Africa and he was afraid to point it my way due to the very high winds he was experiencing from a storm. I was using my FT-817 5W, and we had a nice 3-4 round QSO working off the side of his beam to boot. Still, New Mexico to France with QRP is a fairly nice haul. So as Dave says, they should be able to hear qrp, and many times they do, and often surprised to find out you ARE running qrp.

But let me make this clear ... I am NOT a hot-shot DXer by any means. I like to work 'em late evening because it often allows us to have a nice 3-4 round QSO. I enjoy the rag chew more than chasing the QSL cards - but that's MY thing, not neccessarily what yours should be :-)  
Been a ham since 1963 and I think my DXCC verified status is up there around maybe 23 countries! :-) And considering Czechoslovakia and Yugoslavia are no more, means it's probably less than that now -hi.

72, Paul NA5N

DX is relative ... for some, it's Delaware!

-----  
Date: Fri, 25 Jan 2002 11:17:27 -0700  
From: Tayloe Dan-P26412 <Dan.Tayloe@motorola.com>  
To: "'wa0goz@arrl.net'" <wa0goz@arrl.net>  
Cc: "QRPL (E-mail)" <qrp-l@lehigh.edu>  
Subject: [118286] Re: VX0 design  
Message-ID: <1D74B9231259D511B1AA0002B32C28960105DF7D@az10exm06.sat.mot.com>  
MIME-Version: 1.0

Content-Type: text/plain;  
charset="iso-8859-1"

Henry:

>Does anyone know of a good source for detailing the design of VXO's,  
>including calculating the crystal pulling components?

I don't know if this is the "right" way to chose components, but I  
can tell you what works for me.

First determine the minimum "C" that the VXO tuning capacitor will  
be. From that calculate a "L" that resonate at the crystal frequency  
using the minimum "C".

You are done.

If you are using varactor diodes for tuning, this value can be picked  
off the voltage vs. C chart.

What the above does is place zero reactance in series with the crystal  
when using the minimum "C", since the series "C" reactance will cancel  
out the series "L". On the other hand, at the maximum "C" setting, the  
net result will be a maximum inductive reactance outstanding in series  
with the crystal.

This has worked well for me.

Another alternative may be to calculate "L" based upon the midrange "C" setting  
such  
as  $(C_{max} + C_{min})/2$ . Even better might be to use the geometric mean such as:  
 $\text{SQRT}(C_{min} \cdot C_{max})$ . This approach will create a capacitive reactance  
on one tuning end ( $C_{min}$ ) to inductive reactance on the other end ( $C_{max}$ ).

This should give you something to start with if you don't get any other inputs.

- Dan Tayloe, N7VE; Phoenix, Az; Az ScQRPions

-----  
Date: Fri, 25 Jan 2002 18:22:32  
From: "Mike WA8BXN" <hubby2k@hotmail.com>  
To: casey.jay@gte.net, qrp-1@Lehigh.EDU  
Subject: [118287] Re: K1 Reviews  
Message-ID: <F38K38o2omjpd3zCPar0000143c@hotmail.com>  
Mime-Version: 1.0

Content-Type: text/plain; format=flowed

I own both K-1 and K-2, got the K-2 first. Both are great radios for their intended purposes, which are of course different. I mostly keep and use the K-2 at home, but take and use the K-1 for portable use mostly when camping, mostly in a tent. The K-1 is much lighter and smaller and for my use has quite comparable performance. Only slight drawback is minor drift in the K-1, particularly in a camping environment. Pretty much most of what is in the K-2 is in the K-1, just less of it. Don't get me wrong, the K-1 is a great only rig as well, but I would get the 4 band version if I had it do it over. I have 2 two-band boards, 40/20 most used (90%), and 80/30 as the second. They are not hard to swap, even in the field, but would not want to do it several times a day. Today I would get the 4 band version and put 40/20/30/17 in it and a two band board with 80/15.

73/72 - Mike WA8BXN

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MSN Photos is the easiest way to share and print your photos:  
<http://photos.msn.com/support/worldwide.aspx>

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Date: Fri, 25 Jan 2002 10:26:47 -0800  
From: "Bob Tellefsen" <n6wg@earthlink.net>  
To: <qrp-l@lehigh.edu>  
Subject: [118288] Re: Subject: [118181] Re: Plug in your key [k5hk]  
Message-ID: <MABBJOEABOILMKCJCLFCGEIMDAAA.n6wg@earthlink.net>  
MIME-Version: 1.0  
Content-Type: text/plain;  
                charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Lou  
Given your Reno location, why not the Silver Dollar QRP Club? :-)  
73, Bob N6WG

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Date: Fri, 25 Jan 2002 13:59:08 -0500  
From: Harris Keith E CONT CNIN <harris\_k@crane.navy.mil>  
To: "'qrp-l@lehigh.edu'" <qrp-l@lehigh.edu>  
Subject: [118289] Radio Sales in Columbus, Ohio

Message-ID: <343DCED8FBFFD5118B3F00A0C9893D9C251979@cninexchsrv05.crane.navy.mil>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"

Gang,

I may be making a trip to Columbus, Ohio in the near future and was wondering if there are any Amateur Radio dealers in the Columbus area. Any help would be appreciated. Please respond off list to <n9kh@home.com>

73/72 de N9KH

-----  
Date: Fri, 25 Jan 2002 14:11:44 -0500  
From: "Mike Boatright" <ko4wx@mindspring.com>  
To: <qrp-l@Lehigh.EDU>  
Message-ID: <NFBBIILMKMIILGKAJMBLIEEOCDAA.ko4wx@mindspring.com>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Tom,

I absolutely agree! However, I also have to admit that sharing has its selfish motives, too. At least for me, I've found I learn more from trying to teach something to someone else than I ever did trying to absorb it on my own...

72 de Mike, K04WX

-----  
Date: Fri, 25 Jan 2002 13:17:25 -0600  
From: David Gauding <david.gauding@bbs.galilei.com>  
To: qrp-l@lehigh.edu  
Subject: [118291] Re: BRUCIE - give us a break!  
Message-ID: <5.1.0.14.0.20020125130051.00a8e890@bbs.galilei.com>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"; format=flowed

Good afternoon,

I've had Muscolino (and two other kindred folks) filtered out of my QRP-L e-mail for many months.

I set aside some time this morning to visit the archives and read through W6TOY's more recent postings. Which reminds me now why I put him on a filter in the first place.

NA5N's reputation proceeds him. It's reassuring to have an amateur of Paul Harden's status taking one of our uniquely self-serving posters to task. And, presenting his justifications so very well.

For that thoughtful service I thank him very much.

Regards,

de Dave, NF0R      nf0r@slacc.com

-----  
Date: Fri, 25 Jan 2002 12:38:21 -0700  
From: Tayloe Dan-P26412 <Dan.Tayloe@motorola.com>  
To: "'wa0goz@arrl.net'" <wa0goz@arrl.net>  
Cc: "'qrp-1@Lehigh.EDU'" <qrp-1@Lehigh.EDU>  
Subject: [118292] Re: VX0 design  
Message-ID: <1D74B9231259D511B1AA0002B32C28960105DF7E@az10exm06.sat.mot.com>  
MIME-Version: 1.0  
Content-Type: text/plain;  
                charset="iso-8859-1"

Henry:

>Does anyone know of a good source for detailing the design of VX0's,  
>including calculating the crystal pulling components?

I might also add a really rough guess at a "rule of thumb" for the maximum "C" value for the VFO. 1000pf/(Freq in MHz) seems about right. That is ~300 pf for 3.5 MHz crystals, 150 pf for 7 MHz, etc. I could be off by 2x here, but it might give you an idea of where to start.

Also, I forgot to add that it is easier to pull a VX0 low in frequency using inductive reactance than upwards using series "C" reactance. That is why I starting with Cmin resonating with L at the VX0 frequency. This is also why most VXOs tuning range is mostly at the crystal frequency and lower and usually not much above the crystal frequency.

The main point is that "L" should be selected to resonate somewhere near

the Cmin end of the "C" tuning range to get the best frequency swing.

Why does series inductive reactance work better than cap. reactance in swinging a VXO frequency? That I do not know.....

- Dan Tayloe, N7VE; Phoenix, Az; Az ScQRPions

-----  
Date: Fri, 25 Jan 2002 14:46:56 -0500  
From: Steven Weber <kd1jv@moose.ncia.net>  
To: qrp-l@lehigh.edu  
Subject: [118293] KITS: LED freq counter/digi-dial  
Message-ID: <3.0.6.32.20020125144656.0079e3b0@mailhost.ncia.net>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

Howdy,

The long awaited LED freq counter / digi-dial will be available soon. I expect to have them ready to start shipping in about three weeks, and now accepting orders for them.

This is a small board, 2.1" x 1.8" with a four digit LED display. 100 Hz resolution with 100 ms conversion time. Max freq about 47 MHz. Display shift button for showing xx . xx MHz or xxx . x KHz. Can be used as general purpose frequency counter or as digi-dial in a rig, with user programmable IF offset (stored in eeprom) Display blanking "sleep mode" to conserve power when battery operated. Current when display on, 50-80 ma, depending on number displayed, 20 ma when display is off.

The kit uses a number of surface mounted parts. Only the display, cpu, and a few other parts are through hole. Picture and more info on my web page, but it's not quite accurate now. Price is \$32.00, Post paid.

72,  
Steve, KD1JV  
"Melt Solder"  
White Mountians of New Hampshire  
<http://www.qsl.net/kd1jv/>

-----  
Date: Thu, 25 Jan 2001 15:13:31 -0500  
From: "d l" <nr2v@northnet.org>  
To: "low power discussion" <qrp-l@Lehigh.EDU>  
Subject: [118294] Argonaut 509/405 amp/208audio filter/PS

Message-ID: <012101c0870b\$4c104aa0\$8425eed8@oemcomputer>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Subject: Argonaut 509/405/208/PS

> Nice shape  
> Cleaning off the shelves...  
> Moving soon  
> \$425 shipped conus  
> 72/73 Dean  
>  
>

-----  
Date: Fri, 25 Jan 2002 15:32:11 EST  
From: Schunn99@aol.com  
To: qrp-l@lehigh.edu  
Subject: [118295] Morse code and cheap screwdriver antenna  
Message-ID: <168.7b37aff.29831acb@aol.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset="US-ASCII"  
Content-Transfer-Encoding: 7bit

Hi,  
I got two questions: the first one is concerning morse code and the second portable antennas.  
I currently hold a tech. license no code. I am 15. Any tips or hints about learning morse code?  
I am a very visual learner and I have tryed listening to code but I cannot seem to reconize the sound and then matching the sound with it's letter very easily. I am with troop 19 out of Charlotte, NC and I want to start listening to hf while on camp outs the problem is I want a screwdriver antenna but I can't find one thats cheaper than \$150. Any suggestions?

73  
Scott Hunnicutt  
KG40QU  
Eagle Scout

-----

Date: Fri, 25 Jan 2002 15:32:11 -0500  
From: Pete Burbank <plburbank@kih.net>  
To: qrp-1@lehigh.edu  
Subject: [118296] VX0 info  
Message-ID: <5.0.2.1.0.20020125152445.00aded90@KIH.net>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"; format=flowed

The "Barbados Receiver" in the '85 Handbook has a good discussion of VX0s. It has a VX0 running at 17.6 mc and I needed one at 9.5 mc so just scaled the LC values and it worked great. (Unusual around here :-)

73 Pete NV4V

-----

Date: Fri, 25 Jan 2002 12:45:46 -0800  
From: "Wonil NR6Z" <wonil\_lim\_1@email.msn.com>  
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
Subject: [118297] FS: Yaesu VR-120 Comm. Rcvr.  
Message-ID: <001c01c1a5e1\$45396ae0\$c1828a41@computer>  
MIME-Version: 1.0  
Content-Type: text/plain;  
                charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

I have a VR-120 radio for sale.  
It receives WFM/FM/AM from 100KHZ to 1300MHZ (USA version).  
It is about 5 weeks old, looks very new and works perfectly.  
Asking \$100 shipped in USA.

Check out the VR120 specifications,  
<http://www.yaesu.com/amateur/vr120tx.html>

Thanks,  
Wonil NR6Z

-----

Date: Fri, 25 Jan 2002 14:56:16 -0600  
From: "George, W5YR" <w5yr@att.net>  
To: Schunn99@aol.com  
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>  
Subject: [118298] Re: Morse code and cheap screwdriver antenna  
Message-ID: <3C51C670.C2A106AC@att.net>



MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Scott, the best thing that I can tell you at this stage of your development as an amateur is to avoid like the plague any aspect of learning or practicing code that uses any visual aid or representation of the code characters.

I taught code to the military and on the first day of class I would walk through the classroom and collect all the cheat-sheets where the guys had written down the code and expected to be able to look it up and pass the tests. Didn't work that way then, and won't know.

While not trying to sound like a know-it-all, I am pretty sure about one thing: if you ever expect to develop any code proficiency above about 5 wpm, you MUST learn the sound and rhythm of the code characters. While some people might can do a mental table-lookup at speeds up to maybe 10 wpm, that is about tops.

It is important to hear individual code characters sent at relatively high speed - 15 to 20 wpm - with enough space between to give a net slower speed. The individual characters at even 5 wpm really do not begin to show their rhythm and individual sounds. But speed them up to 15-20 and the rhythm begins to dominate the sound that you hear. That is a major problem with learning code at 5 wpm: it is slow enough to encourage all sorts of bad habits and concepts while learning. Example: you can easily count dots and thus sort out S,H and 5. But it is much harder to count at 20 wpm, so you are forced to listen for and grasp the different sound and rhythm of those characters, and that is how you learn them without future errors and barriers.

Above all, resist any temptation to learn any of the characters by counting dits or dahs or both. Learning this way only guarantees a lifetime of confusion and errors with e,i,s,h,5 and t,m,o,and zero. (There is a four-dah character, but forget about it). Most folks see the simple systematic format for the numerals and "learn" them that way. And then have a devil of a time telling the difference between J and 1, for example.

Nope, take it from an OF, you must somehow in your own way learn how to hear and feel the rhythm and sound of each character. When you can do that, the rest is a matter of time, effort and practice.

Not all that easy, but certainly not all that hard.

On the screwdriver, try just tossing a wire into a tall tree a few times before investing in a screwdriver. It requires a source of 12-volt power for the motor, and must be used with an adequate ground plane system to

work properly. But any old wire in a tree will let you hear all the HF you can handle! As for cost, \$150 is about as cheap as they come, so maybe the screwdriver needs to wait for that first car!

Good luck, my friend! I, too, was 15 when I started teaching myself the code with a hand key and a homebuilt code oscillator. Took me a solid year of that and copying W1AW code practice and ham QSOs to get to 13 wpm for the test in 1946, but I did and have been banging a key ever since! <:}

72/73/00, George W5YR - the Yellow Rose of Texas  
Fairview, TX 30 mi NE of Dallas in Collin county EM13qe  
Amateur Radio W5YR, in the 56th year and it just keeps getting better!  
QRP-L 1373 NETXQRP 6 SOC 262 COG 8 FPQRP 404 TEN-X 11771  
Icom IC-756PRO #02121 Kachina #91900556 IC-765 #02437

All outgoing email virus-checked by Norton Anti-Virus 2002

Schunn99@aol.com wrote:

>  
> Hi,  
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> portable antennas.  
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> to hf while on camp outs the problem is I want a screwdriver antenna but I  
> can't find one that's cheaper than \$150. Any suggestions?  
>  
> 73  
> Scott Hunnicutt  
> KG4OQU  
> Eagle Scout

-----  
Date: Fri, 25 Jan 2002 21:11:08 -0000  
From: "Steve Farthing" <stephen@stevef.demon.co.uk>  
To: "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>  
Subject: [118299] FDIS Question  
Message-ID: <MABBLGJEEFHCJIEHNCOFMEHBDAAA.stephen@stevef.demon.co.uk>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="Windows-1252"  
Content-Transfer-Encoding: 7bit

Guys,

Could someone point me in the direction of the FDIM organisers as I wish to  
: -

- a) Offer to provide a talk on the QRP2001
- b) Book 2 rooms

Thanks,

Steve G0XAR who has a memory like a sieve as he should remember the details  
from FDIM99

-----  
Date: Fri, 25 Jan 2002 16:19:43 -0500  
From: Bill Coleman <aa4lr@arrl.net>  
To: <aa3ur@home.com>,  
"Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
Subject: [118300] Re: Strange batteries  
Message-ID: <1020025161917.QAA10711@gate.iterated.com>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="US-ASCII"

On 1/25/02 10:05 AM, David Porter at aa3ur@home.com wrote:

>This is the first time I've ever seen polarity reversal. Is this common?

Oh yes. I see it all the time in batteries from my kids toys.

Basically, if you have a strong cell and weak cell in a pack, and run  
them down to nothing, the weak cell will reverse. Easily.

Bill Coleman, AA4LR, PP-ASEL                      Mail: aa4lr@arrl.net  
Quote: "Not within a thousand years will man ever fly!"  
      -- Wilbur Wright, 1901

-----  
Date: Fri, 25 Jan 2002 16:24:59 -0500  
From: Dave Fouchey <dafouchey@home.com>  
To: fxtech@earthlink.net,  
"Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>

Subject: [118301] Re: Fw: [AMRadio] Re: Low Power AM Night  
Message-ID: <4.1.20020125162431.009903a0@localhost>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

When and what Frequency Trevor?

73's  
Dave  
WA4EMR

At 10:29 PM 1/24/2002 -0800, Trevor Jacobs wrote:

>QRP AM is alive and well on the West Coast!!!

>

>----- Original Message -----

>From: <W7QHO@aol.com>

>To: <amradio@mailman.qth.net>

>Sent: Thursday, January 24, 2002 8:28 PM

>Subject: Re: [AMRadio] Re: Low Power AM Night

>

>

>> Don't have the stats and there may be a full report from the NCS

>>later, but

>> we had a great time with low power out here on the West Coast last  
>>night.

>> Great band condx and lots of check-ins. I had my GRC-9 on running 5  
>>watts and

>> did great. Sorry conditions weren't good in other parts of the  
>>country.

>> Would like to see this activity become a regular thing.

>>

>> Dennis D. W7QHO

>> Glendale, CA

>>

>> -----  
>> AMRadio mailing list

>> AMRadio@mailman.qth.net

>> <http://mailman.qth.net/mailman/listinfo/amradio>

>>

-----

Date: Fri, 25 Jan 2002 16:29:54 -0500

From: "Pastor-KC1DI" <elbc@pivot.net>

To: <w5yr@att.net>,

"Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>

Subject: [118302] Re: Morse code and cheap screwdriver antenna

Message-ID: <002601c1a5e7\$6ef0fc80\$f3aaba42@dor>

MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

ditto George,

I was a 11 year vet of Army Morse training during the Veit Nam era.. what George says about learning the Code by sound is absolutely the correct thing to do if you want to have anything more than a rudimentary understanding of Morse. It's a great Language..and will bring many many hours of enjoyment if learned correctly in the first place.

73 /72 Dave KC1DI

P.S. George Where and when did you teach morse?

I taught For awhile also..

----- Original Message -----

From: "George, W5YR" <w5yr@att.net>

To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>

Sent: Friday, January 25, 2002 3:56 PM

Subject: Re: Morse code and cheap screwdriver antenna

> Scott, the best thing that I can tell you at this stage of your development

> as an amateur is to avoid like the plague any aspect of learning or practicing code that uses any visual aid or representation of the code characters.

>

> I taught code to the military and on the first day of class I would walk through the classroom and collect all the cheat-sheets where the guys had written down the code and expected to be able to look it up and pass the tests. Didn't work that way then, and won't know.

>

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> people might can do a mental table-lookup at speeds up to maybe 10 wpm, that is about tops.

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> those characters, and that is how you learn them without future errors and  
> barriers.

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> Above all, resist any temptation to learn any of the characters by  
counting

> dits or dahs or both. Learning this way only guarantees a lifetime of  
> confusion and errors with e,i,s,h,5 and t,m,o,and zero. (There is a  
> four-dah character, but forget about it). Most folks see the simple  
> systematic format for the numerals and "learn" them that way. And then  
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> a devil of a time telling the difference between J and 1, for example.

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> hear and feel the rhythm and sound of each character. When you can do  
that,

> the rest is a matter of time, effort and practice.

>

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> of that and copying W1AW code practice and ham QSOs to get to 13 wpm for  
> the test in 1946, but I did and have been banging a key ever since! <:}

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> 72/73/00, George W5YR - the Yellow Rose of Texas  
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> Amateur Radio W5YR, in the 56th year and it just keeps getting better!  
> QRP-L 1373 NETXQRP 6 SOC 262 COG 8 FPQRP 404 TEN-X 11771  
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> All outgoing email virus-checked by Norton Anti-Virus 2002

>

>

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> >  
> > 73  
> > Scott Hunnicutt  
> > KG40QU  
> > Eagle Scout  
>  
>

---

Outgoing mail is certified Virus Free.  
Checked by AVG anti-virus system (<http://www.grisoft.com>).  
Version: 6.0.317 / Virus Database: 176 - Release Date: 1/21/02

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Date: Fri, 25 Jan 2002 15:30:48 -0600  
From: Dave Sjolín <[sjolin@swbell.net](mailto:sjolin@swbell.net)>  
To: Low Power Amateur Radio Discussion <[qrp-1@Lehigh.EDU](mailto:qrp-1@Lehigh.EDU)>  
Subject: [118303] Re: Morse code and cheap screwdriver antenna  
Message-ID: <3C51CE88.D04ED5F5@swbell.net>  
MIME-version: 1.0  
Content-type: text/plain; charset=us-ascii  
Content-transfer-encoding: 7BIT

"George, W5YR" wrote:

>  
> Scott, the best thing that I can tell you at this stage of your development  
> as an amateur is to avoid like the plague any aspect of learning or  
> practicing code that uses any visual aid or representation of the code  
> characters.

George is right. The worst thing you can do as far as learning the code is to even think of dots and dashes. It's dits and dahs. If you go the visual route of looking at dots and dashes you will forever be counting

them and then converting to morse characters. Our brain cant operate fast enough to do this conversion beyond about 10 wpm.

> Above all, resist any temptation to learn any of the characters by counting  
> dits or dahs or both. Learning this way only guarantees a lifetime of  
> confusion and errors with e,i,s,h,5 and t,m,o,and zero. (There is a  
> four-dah character, but forget about it). Most folks see the simple  
> systematic format for the numerals and "learn" them that way. And then have  
> a devil of a time telling the difference between J and 1, for example.

I learned the code from a booklet put out by the ARRL back in the 50's and 60's. (VERY BAD) Showed you the characters in tables of dots and dashes. I sat down and memorized the dots and dashes and couldnt understand why I had so much trouble. Didnt have cassette tapes to listen to back in those days so Im afraid much of my initial learning was from the book. I also listened on my little super regen receiver but that didnt help that much since most cw was faster than 5 wpm. I finally memorized all the characters and barely passed my Novice. My speed got better as I got on the air and listened to more cw. However, it wasnt until I was inactive on HF for about ten years that I got a chance to relearn the code. I can now copy 30-35 wpm pretty solid but my brain still turns off when I hear a call like S53US or 5H3US. Dont let it happen to you.

Good luck  
73 de Dave, N0IT

-----

Date: Fri, 25 Jan 2002 13:44:58 -0800  
From: "Doug Hendricks" <ki6ds@dph.dpol.net>  
To: <qrp-1@Lehigh.EDU>  
Subject: [118304] Re: NJQRP meeting this Saturday  
Message-ID: <007101c1a5e9\$8b8385a0\$4a0b0d0a@dph.dpol.net>  
MIME-Version: 1.0  
Content-Type: text/plain;  
                charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Hey Joe, I didn't see any mention of Fruit Loops, grin. Seriously guys, if you are anywhere within driving distance it will be worth your time and effort to meet the great guys from the NJ Club. Why, I have driven from California a couple of times to go to a meeting. It was well worth the trip. I even thought that I was gonna win the prize for coming the longest distance, but they had some rule about leaving in June and getting there in July that they claimed disqualified me, but George Heron and Joe Everhart did say that I wasn't disqualified from buying their lunch. What a great bunch of guys. I bet that if you tell them that you came a long way, they



will let you buy their lunch too!!

Also, WARNING!!!!!!! I have seen the rig Joe is talking about that he entered in the Pacificon Building Contest in 1999, and it is not for the faint of heart. It looks like the reincarnation of the Desert Ratt built by Paul Harden, but doesn't have the headers and dual carbs. Have fun guys.  
72, Doug

-----  
Date: Fri, 25 Jan 2002 16:51:36 -0500  
From: "Lee Mairs" <lmairs@cox.rr.com>  
To: <sjolin@swbell.net>,  
"Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>  
Subject: [118305] Re: Morse code and cheap screwdriver antenna  
Message-ID: <00fe01c1a5ea\$76bccea0\$6501a8c0@cox.rr.com>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Dave, that same little pamphlet did me in too! Worked for my novice in 1958, but it took about a ten year total absence from code (college and Navy sea duty) to cure my brain in 1971 and get the 13 wpm.  
73 de Lee  
km4yy

Diplomacy is the art of saying 'Nice doggie' until you can find a rock.  
--Wynn Catlin

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> and 60's. (VERY BAD) Showed you the characters in tables of dots and  
> dashes. I sat down and memorized the dots and dashes and couldnt  
> understand why I had so much trouble. Didnt have cassette tapes to  
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> relearn the code. I can now copy 30-35 wpm pretty solid but my brain  
> still turns off when I hear a call like S53US or 5H3US. Dont let it  
> happen to you.  
>  
> Good luck  
> 73 de Dave, N0IT

-----  
Date: Fri, 25 Jan 2002 16:59:18 -0500  
From: John Wagner <john@wagner-usa.net>  
To: Schunn99@aol.com  
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>  
Subject: [118306] Re: Morse code and cheap screwdriver antenna  
Message-ID: <3C51D536.DF78161C@wagner-usa.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Hi Scott,

Without a doubt you will get many replies with many different methods of learning CW. Hopefully (and I suspect) there will be a common thread among them that says "do not try to do it visually." I realize this is what you said you want to do, but I think you'll get a lot of answers discouraging this method. While I don't doubt it's possible to receive CW via a light or a signal, the CW you work on the air will be done by ear - and that's the way to learn it.

So to get proficient, you'll need to do it by sound. It can be difficult, take your time and stick with it. If you find yourself getting frustrated, take a break (like for a day, or a couple days). The way that worked best for me was tapes. Some people recommend against tapes because you'll memorize them - well to me, that's the point! You want to be able to memorize the sounds. Also, some words have a distinct ring to them; name, my, ur (your), qth, rst, tn timer, take, best, and on and on. I find practicing sending helped my code copy as well. Grab a magazine and send a paragraph or two (not on the air, but with a practice oscillator or something) per night.

One more tip; don't get hung up on a letter if you miss it - there will be another one coming. ;) If you're in a real QSO and miss a letter, chances are you can mentally fill in the blank(s) easily. 100% copy is not easy, so don't feel bad if you don't get there.

Listening to real CW QSO's on the air is a great way to learn too. The best way is if you can hear both sides of the conversation (the 40 and 80 meter bands at night are best for this). CW QSO's typically follow a very distinctive format for the first and second exchange. This makes it easy to anticipate what information is coming and helps you copy. There is a website by Jack Wagoner, WB8FSV at <http://www.netwalk.com/~fsv/CWguide.htm> that has the format (and some code learning tips). I recommend it highly. A side note; I actually

worked Jack once shortly after getting licensed!

Also, when I took my CW test for Tech+ and General, the test was in the format of one side of a QSO. Learning that format will help you pass the test.

As for that antenna; forget the screwdriver. It probably looks appealing because it's ready made and you can buy it. However for listening, a long wire (over 30 feet and upwards of 100 feet or more) will do better. When you start transmitting you can make yourself a dipole - it's super simple and there are plenty of folks here on the list that can walk you through it. Best of all it's cheap.

Good luck Scott. Keep us up to date on your progress and if you need help don't be afraid to ask. You won't be sorry you learned CW, especially when you advance to the General ticket and hopefully on to getting your Extra.

73,

John, N1Q0

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> can't find one that's cheaper than \$150. Any suggestions?

>

> 73

> Scott Hunnicutt

> KG4OQU

> Eagle Scout

--

John Wagner - [john@wagner-usa.net](mailto:john@wagner-usa.net)

Web page: <http://www.neknetwork.com>

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Date: Fri, 25 Jan 2002 15:22:03 -0700

From: "Zoerb, Ron" <[Zoerb.Ron@broadband.att.com](mailto:Zoerb.Ron@broadband.att.com)>

To: "'QRP-1 Messages'" <qrp-1@lehigh.EDU>  
Subject: [118307] CUB FOX: Final Log for CUB FOX Hunt #13  
Message-ID: <BF11C300DA60D5118A2900508BCF825B016EB803@entcoexch05.tci.com>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset=iso-8859-1  
Content-Transfer-Encoding: 7bit

Hello All,

This is the final log for Hunt #13.

I was trying to put Sandy (KB3E0F) in "2" land so that change has been made.

Rick (W0IS) is scheduled to be the Cub Fox next week so come out and give him plenty of action.

Thanks for the fun this week!

72 Ron ki0ii

\*\*\*\*\*

QRP-L Cub Fox Hunt #13 by KI0II on January 23, 2002

| Time  | QSO# | Call worked | Sent | Rcvd | Name   | PWR   | Qth          |
|-------|------|-------------|------|------|--------|-------|--------------|
| ----  | ---- | -----       | ---- | ---- | ----   | ----  | ----         |
| 02:01 | 1    | W0IS        | 559  | 599  | RICK   | 5W    | MN           |
| 02:06 | 2    | W0CH        | 559  | 589  | DAVE   | 900mw | MO ** Dupe** |
| 02:07 | 3    | K5JHP       | 559  | 559  | BILL   | 5     | TX           |
| 02:09 | 4    | WA9TZE      | 559  | 589  | JIM    | 5     | WI           |
| 02:10 | 5    | W5USJ       | 559  | 559  | CHUCK  | 5     | TX           |
| 02:12 | 6    | K0EVZ       | 559  | 579  | DOC    | 5     | ND           |
| 02:24 | 7    | N9NE        | 559  | 579  | TODD   | 5     | WI           |
| 02:25 | 8    | K4ADI       | 559  | 559  | FRANK  | 5     | SC           |
| 02:25 | 9    | N1TP        | 559  | 599  | TOM    | 5     | FL           |
| 02:27 | 10   | W5YR        | 559  | 559  | GEORGE | 5     | TX           |
| 02:30 | 11   | AA50        | 559  | 559  | VERN   | 5     | LA           |
| 02:31 | 12   | KK5LD       | 559  | 559  | DAN    | 5     | TX           |
| 02:32 | 13   | AF4PS       | 559  | 559  | MAC    | 3     | FL           |
| 02:34 | 14   | KB9YIG      | 559  | 559  | TONY   | 5     | IN           |
| 02:37 | 15   | KD5KXF      | 559  | 559  | MIKE   | 5     | TX           |
| 02:39 | 16   | KV4EE       | 559  | 449  | CRAIG  | 5     | SC           |
| 02:41 | 17   | N9AW        | 559  | 559  | JERRY  | 5     | WI           |
| 02:42 | 18   | K4GT        | 559  | 559  | JIM    | 5     | GA           |
| 02:43 | 19   | W9XU        | 559  | 559  | LON    | 3     | WI           |

|            |    |        |     |     |            |                        |
|------------|----|--------|-----|-----|------------|------------------------|
| 02:46      | 20 | WR50   | 559 | 559 | DAVE 5     | TX                     |
| 02:47      | 21 | K8CV   | 559 | 559 | WALT 5     | MI                     |
| 02:48      | 22 | N4ROA  | 559 | 559 | DAN 3      | VA                     |
| 02:50      | 23 | NX8C   | 559 | 559 | NEIL 5     | MI                     |
| 02:52      | 24 | KB3E0F | 559 | 559 | SANDY 5    | MD                     |
| 02:55      | 25 | W9HL   | 559 | 559 | RANDY 5    | IL                     |
| 02:59      | 26 | WA8BXN | 559 | 559 | MIKE 5     | OH                     |
| 03:00      | 27 | AG0T   | 559 | 559 | TODD 4     | ND ** Dupe **          |
| 03:03      | 28 | AB8DF  | 559 | 559 | MI 5       | ED                     |
| 03:03      | 29 | K5DI   | 559 | 599 | KARL 5     | NM                     |
| 03:05      | 30 | WE9K   | 559 | 599 | GLENN 5    | WI                     |
|            |    |        |     |     |            |                        |
| 03:08      | 31 | KJ0C   | 559 | 559 | JIM 5      | MO                     |
| 03:10      | 32 | KL7IXI | 559 | 559 | MIKE 4     | WA                     |
| 03:13      | 33 | VE4WI  | 559 | 559 | CRAIG 5    | MB                     |
| 03:20      | 34 | K4BYF  | 559 | 559 | JACK 5     | FL ** Jack never quit! |
| 03:21      | 35 | KC1FB  | 559 | 559 | JIM 5      | CT                     |
| 03:22      | 36 | WB6BWZ | 559 | 569 | MATT 5     | GA                     |
| 03:25      | 37 | NK9G   | 559 | 559 | RICK 5     | WI                     |
| 03:27      | 38 | KC0GXX | 559 | 599 | TOM 2      | NE ** Surprise from NE |
| 03:29      | 39 | KG6CYN | 559 | 559 | TREV 5     | CA                     |
| 03:32      | 40 | K4TJD  | 559 | 559 | TOM 5      | GA                     |
|            |    |        |     |     |            |                        |
| 03:33      | 41 | N9WW   | 559 | 559 | JIM 5      | IL                     |
| 03:34      | 42 | K0PC   | 559 | 559 | PAT 5      | MN                     |
| 03:36      | 43 | K5DW   | 559 | 559 | DON 5      | TX                     |
| 03:37      | 44 | AJ9U   | 559 | 559 | BOB 5      | WI                     |
| 03:38      | 45 | KC9LC  | 559 | 559 | RANDY 5    | VA                     |
| 03:40      | 46 | WB8WTU | 559 | 559 | DENNIS 5   | OH                     |
| 03:41      | 47 | KB9DRT | 559 | 559 | BOB 5      | WI                     |
| 03:44      | 48 | KK5NA  | 559 | 559 | JOE 5      | TX                     |
| 03:46      | 49 | N0IT   | 559 | 599 | DAVE 5     | MO                     |
| 03:49      | 50 | N0TU   | 559 | 559 | STEVE 5    | CO                     |
|            |    |        |     |     |            |                        |
| 03:51      | 51 | AG0T   | 559 | 599 | TODD 300MW | ND ** Todd and Dave    |
| 03:53      | 52 | W0CH   | 559 | 589 | DAVE 50MW  | MO ** are easy on      |
| batteries! |    |        |     |     |            |                        |
| 03:54      | 53 | K8KFJ  | 559 | 559 | GARY 5     | WV                     |
| 03:55      | 54 | VA6RF  | 559 | 559 | EARL 5     | AB                     |
| 03:57      | 55 | W3CD   | 559 | 559 | BOB 5      | CA                     |
| 03:59      | 56 | KE6RS  | 559 | 559 | RON 5      | CA                     |
| 04:00      | 57 | KI0II  | FOX |     | Ron        | CO                     |

-----

Date: Fri, 25 Jan 2002 17:28:39 -0500

From: "Stephen M. King" <frastephen@home.com>  
To: <Schunn99@aol.com>,  
"Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
Subject: [118308] Re: Morse code and cheap screwdriver antenna  
Message-ID: <01fb01c1a5ef\$a36b4e90\$1be32d44@cc515143a>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Thanks for posting, Scott!

That is great that you want to learn and use Morse!

As others have said, the best (maybe only?!) way to learn Morse is by sound. I think most folks have been succesful with a system (called Farnsworth) of learning where the characters are sent rather fast with longer pauses between the characters. This method forces you to learn the sound of the character, because it is too fast to count the dots and dashes! But there is lots of time between characters to let it sink in and copy it down.

This method has two advantages, for me:

- 1) once you learn the sounds of the characters you will build your speed VERY quickly (I know, you only need to get up to 5 wpm, but if you want to operate, you will want to get your speed up to a higher level! You can do it!!
- 2) if you learn the sounds of the characters you will also find it easier to copy code in your head, rather than writing down each character. In fact, once you get to the higher speeds and more experience, you actually begin to recognize the sounds of WORDS, rather than individual characters. Again, you can do it!

My advise would be to listen to as much code as you can .... take some time to learn the character sounds and then take some time listening to W1AW at the faster speeds. You won't copy everything, but as you pick out characters it will reinforce your learning.

On the antenna ... if you just want to listen, then any old length of wire tossed into a tree will do just fine ... the longer and higher the better....

Peace, 73 es CU on CW soon, I hope!

Stephen  
W3SMK

----- Original Message -----

From: <Schunn99@aol.com>  
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
Sent: Friday, January 25, 2002 3:32 PM  
Subject: Morse code and cheap screwdriver antenna

> Hi,  
> I got two questions: the first one is concerning morse code and the second  
> portable antennas.  
> I currently hold a tech. license no code. I am 15. Any tips or hints about  
> learning morse code?  
> I am a very visual learner and I have tried listening to code but I cannot  
> seem to recognize the sound and then matching the sound with its letter  
very  
> easily. I am with troop 19 out of Charlotte, NC and I want to start  
listening  
> to HF while on camp outs the problem is I want a screwdriver antenna but I  
> can't find one that's cheaper than \$150. Any suggestions?  
>  
> 73  
> Scott Hunnicutt  
> KG4OQU  
> Eagle Scout  
>

-----  
Date: Fri, 25 Jan 2002 17:34:56 -0500  
From: Bill Coleman <aa4lr@arrl.net>  
To: <kd1jv@moose.ncia.net>,  
"Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
Subject: [118309] Re: Upconversion, Wide Roofing Filters, and Good Dynamic Range  
Message-ID: <1020025173428.RAA19391@gate.iterated.com>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="US-ASCII"

On 1/18/02 4:03 PM, Steven Weber at kd1jv@moose.ncia.net wrote:

>Digi-Key has a 45 MHz monolithic xtal filter with a +/- 15 KHz 3 dB pass  
>band which would make a nice roofing filter, except it's a little low in  
>frequency and is pretty expensive at \$27.30.

That's a crummy roofing filter, except for FM. It's 30 kHz wide, so all  
the S9+30 dB signals within that passband aren't attenuated at all.

You need one that's +/- 5 kHz, max. Narrower would be better.

Bill Coleman, AA4LR, PP-ASEL            Mail: aa4lr@arrl.net  
Quote: "Not within a thousand years will man ever fly!"  
      -- Wilbur Wright, 1901

-----  
Date: Fri, 25 Jan 2002 17:36:09 -0500  
From: Bill Coleman <aa4lr@arrl.net>  
To: <jamesd1@flash.net>,  
      "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
Subject: [118310] Re: Upconversion, Wide Roofing Filters, and Good Dynamic Range  
Message-ID: <1020025173541.RAA19473@gate.iterated.com>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="US-ASCII"

On 1/19/02 6:53 PM, James R. Duffey at jamesd1@flash.net wrote:

>I don't think it is an exact engineering term :) In the discussion I was  
>having wiht Bill, I believe he meant the wide filter at the first,  
>upconversion, IF, usually 45 MHz or higher.

Up, that's what I meant.

Bill Coleman, AA4LR, PP-ASEL            Mail: aa4lr@arrl.net  
Quote: "Not within a thousand years will man ever fly!"  
      -- Wilbur Wright, 1901

-----  
Date: Fri, 25 Jan 2002 17:55:51 -0500  
From: "Howard Kraus" <K2UD@adelphia.net>  
To: <brian@iquest.net>  
Cc: <qrp-1@Lehigh.EDU>  
Subject: [118311] Re: 2002 QRP DXCC Totals  
Message-ID: <000701c1a5f3\$7032d4e0\$07633018@buf.adelphia.net>  
MIME-Version: 1.0  
Content-Type: text/plain;  
      charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Diz takes home the bacon, eh?



Howard Kraus, K2UD

----- Original Message -----

From: "Brian Murrey" <brian@iquest.net>

To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>

Sent: Thursday, January 24, 2002 8:37 PM

Subject: Re: 2002 QRP DXCC Totals

> It is incredible.

>

> The Flying Pigs were having a WAS race that began at 12:00am on Jan

> 1st. Diz was first one done with 50 states in 19 days....all CW...all

> QRP.

>

> Really incredible.

>

>

> =====

> KB9BVN/QRP - New Whiteland IN - EM69WN

> QRP-ARCI #10223 QRP-L #1540 FIST #5695

> FISTS CC #764 - Proud Member ARRL

> TEN TEC SCOUT @ 5W or NORCAL 40A @ 1.3W

> INTO INFAMOUS AF4PS ATTIC DIPOLE

> SOC #400 AND FLYING PIGS QRP #-57

> =====

>

> ----- Original Message -----

> From: "Pat J. Whelton" <pwhelton@hal-pc.org>

> To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>

> Sent: Thursday, January 24, 2002 8:22 PM

> Subject: 2002 QRP DXCC Totals

>

>

> > I was curious about some 2002 DXCC country totals so I looked up the  
> links

> > given by AF4PS and W8DIZ and was amazed. It's totally awesome what  
> these

> > guys have worked in less than a month at QRP levels. I was kind of  
> > disappointed that very few of the contacts were on 20 meters (the  
> band I'm

> > restricted to) and surprised at some of the juicy stuff they worked  
> on 40

> > meters. I kinda wanted to get an idea of what I was missing on 20.

> >

> > I would really be interested in a description of their antenna's.

> >  
> > Congratulations are certainly in order and I envy these country  
> totals. Way  
> > to go guys.  
> >  
> > 73's  
> > Pat - KZ5J  
> >  
> >  
> >  
> >  
>  
>

-----  
Date: Fri, 25 Jan 2002 14:33:12 -0800  
From: Dan Presley <talljazz@teleport.com>  
To: qrp-l@lehigh.edu  
Subject: [118312] Fox: big fun!  
Message-ID: <p0501041eb8778b619cf8@[209.63.112.215]>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii" ; format="flowed"

Thanks all for participating last night. Seems like conditions were very good to all points of the country, and I set a personal best of 109 Q's. Gear was the K2 w/ the cmos III keyer, and the generous use of the 40M rotatable dipole at 90 feet at the shack of KA7OZ0. I had just completed the audio filter for the K2-it's incredible, and was a great asset in the hunt. For the most part hounds were well behaved except for one time when I kept trying to get a fill from a hound, and a couple of callers wouldn't stop until I 'yelled' at 'em. I appreciate everyone's patience while I tried to get the correct info. The funniest part was my slow brain not getting K3IU's state correctly-he was sending 'RI', and it took a few tries for it to compute-I kept saying to myself, "RI?-RI? what state is that??", until I snapped out of it-'Rhode Island' :) Don't catch many of them way out west.

I'll post a log shortly-if anyone wants to see pictures in action, I'll send them direct.

--  
Dan Presley-N7CQR-Portland, Or QRP-L #502  
n7cqr@arrl.net

-----  
Date: Fri, 25 Jan 2002 14:45:44 -0800

From: Dan Presley <talljazz@teleport.com>  
To: qrp-l@lehigh.edu  
Subject: [118313] Re:K5HK  
Message-ID: <p0501041fb8778f5b8c20@[209.63.112.215]>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii" ; format="flowed"

Here's a copy of an email reply from Carl,K5HK to me regarding my qso with him last week while he was at sea. Sounds like lots of guys on the list have worked him on 20 and 40.Always fun to work those 'MM's !

Dan,

Using a NorCal SMK-1 at 500mw and a 26ft vertical feed at the base with an SGC autotuner and about 90 feet above the Pacific. I am on a containership. We were about 28N 143W when I worked you 220630Z Jan 2002 on 7038khz. Your rst 559 at that time. I have a lot of fun with this simple rig and run an SST on 14mhz QRP around 14059khz....look for me there as well.

73/72,  
Carl

P.S. Now in Honolulu for a few days and will head back to Oakland on Friday evening.

Carl Young, MREO  
k5hk@juno.com  
M/V RJ Pfeiffer

--  
Dan Presley  
talljazz@teleport.com  
(503) 232-8244  
pager (503) 229-8682

-----  
Date: Fri, 25 Jan 2002 15:37:18 -0800 (PST)  
From: Doug Simpson <dsimpson@darkwing.uoregon.edu>  
To: Monte Stark <ku7y@qsl.net>  
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>  
Subject: [118314] Re: Dr Dx...Code trainer -- (in the here and now)  
Message-ID: <Pine.GS0.4.44.0201251526100.7384-1000000@darkwing.uoregon.edu>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

To any and all Commodore 64 lurkers out there --

Does anyone out there still have the original Dr. Dx program? There are PC and Mac emulators for the C-64 and many of the other early computers (Atari, TI, etc.) and many old programs freely available for most of them -- copyright issues seem to be settled for many, if not all.

I'd like to see just how great this program is (was). Sounds like the software hasn't been quite equaled tho' the hardware platforms have improved a thousand-fold!

On-topic QRP content: you know, just like OUR "software" (on-air skills) still runs on today's improved "hardware" (teeny-tiny radios!).

Thx & 72,

Doug Simpson, WA7SKY

On Thu, 24 Jan 2002, Monte Stark wrote:

```
> >
> > Anybody know of a windows based program that is similar to the c-64
> > "Dr. DX" ??????
> >
> > 73
> > Dean
>
> Hi Dean and all,
>
> I'm replying to the whole list because I think others might
> also like to know.
>
> The contest logging program TR Log comes close to the old Dr.
> DX. When run in the Simulator mode it lets you "work" the
> contest. Several contests are support in the simulator mode.
> While there in no QRM or QRN like there was in Dr. DX, the
> rest of it comes close.
>
> It was designed to let you learn how to use the program and
> not as a "toy" but it keeps working even when I start
> smiling! :-)
>
> There may well be other programs out there that do the same or
> that are even closer to Dr. DX. If so, I'd like to know too!
> That one program keeps a few C-64's around in used even in
> this day and age!
>
> TR Log will also "read" and send any text (.txt) file you tell
> it to. That is another good way to get some quality CW time
```

> in.  
>  
> Just don't forget to turn the radio on now and then too! :-)  
> After all, this hobby is known as Amateur Radio, NOT Amateur  
> Computer!  
>  
> OK, back in my hole.....  
>  
> --  
> 73,  
>  
> Ron, KU7Y  
> ku7y@qsl.net  
> Full Time RVing somewhere in the West  
> Currently in Brenda, AZ  
> QRP-L #17  
>  
>

-----  
Date: Fri, 25 Jan 2002 16:42:27 -0700 (MST)  
From: "Paul Harden, NA5N" <na5n@rt66.com>  
To: qrp-canada@neale.gpfn.sk.ca, qrp-l@lehigh.edu  
Subject: [118315] Weekend Solar/Band Condx  
Message-ID: <Pine.SUN.4.10.10201251528520.1150-1000000@shell.rt66.com>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

Gang,  
The next two weeks look pretty good for HF QRP work, and FYBO next weekend. Here's the details from today's NOAA report for those interested:

-----  
On Fri, 25 Jan 2002, Space Environment Center wrote:  
> IA. Analysis of Solar Active Regions and Activity from 24/2100Z  
> to 25/2100Z: Solar activity was low. Region 9794 (N13W03) produced  
> the largest flare of the past day, a C6/Sn at 25/0225 UTC.

A C-class flare is a mediocre flare, and seldom causes any problems to HF communications. The sun is basically QUIET, but producing high solar flux, good for the higher bands. See below.

> IIA. Geophysical Activity Summary 24/2100Z to 25/2100Z:  
> The geomagnetic field was quiet to unsettled.

Meaning no geomagnetic storms or disturbances to effect the lower bands, 20M and below.

> IIB. Geophysical Activity Forecast: The geomagnetic field is  
> expected to be quiet to unsettled.

And no geomagnetic storms or disturbances expected over the weekend.  
The lower bands will be noisy at their usual "normal" levels :-)

> PCAF           green

The "Polar Cap Absorption Factor" is green, or normal, meaning no enhanced attenuation to HF signals to our friends in the higher latitudes, such as mid-Canada to Alaska. When a polar cap event is in progress, it CAN totally absorb HF signals for hams in this region, placing them in a virtual HF blackout. No such chance this weekend!

> IV. Penticton 10.7 cm Flux  
> Observed           25 Jan 235 <--- Today's solar flux = HIGH!!!!  
> Predicted    26 Jan-28 Jan   240/245/250  
                                  ^^^^^^^^^^^^

And expected to be even higher this weekend. With flux values this high, 10M will be open with very good skip propagation and quiet conditions during daylight hours. High fluxes also means low absorption to HF signals on all bands, 20M and above, which of course is ideal for QRP. More of your signal gets to the receiving end. High solar flux also means longer skip distances (your signals will hit the earth farther away than usual) and multi-hops are not uncommon. If you hear a DX station with that "warbly" sound, it means his signals are bouncing between the E/F layers and earth several times before hitting you. Your signals will sound about the same to him.

All HF bands will be in optimum shape this weekend, and likely about the same next weekend as well for FYBO. ([www.extremezone.com/~nk7m](http://www.extremezone.com/~nk7m)).

For those of you new to HF propagation, a few GENERAL band characteristics:

- 10M - primarily a daytime band with long skips, >1500 miles.
- 15M - primarily a daytime band with short and long skips, and right now, can stay open a couple hours past local sundown.
- 20M - 24/7 band right now (open 24 hours a day).
- 30M - 24/7 band
- 40M - 24/7 band ALWAYS (even during the quiet sun). Noisier than the higher bands due to sensitivity to our magnetic field generating noise currents, atmospheric effects, local RFI, power line noise, etc. Ground wave (few hundred miles) mostly during daylight hours, and ground wave, short and long skips all possible at night.
- 80M - 24/7, about the same as 40M, except even noisier for the same

reasons and favoring ground wave and short skips. Long skips unusual and generally requires big power.

Have a good weekend, on the air or off.

72, Paul NA5N

-----  
Date: Fri, 25 Jan 2002 16:49:05 -0700 (MST)  
From: "Paul Harden, NA5N" <na5n@rt66.com>  
To: qrp-l@lehigh.edu  
Subject: [118316] Re: 2002 QRP DXCC Totals  
Message-ID: <Pine.SUN.4.10.10201251644460.1150-100000@shell.rt66.com>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

> > The Flying Pigs were having a WAS race that began at 12:00am on Jan  
> > 1st. Diz was first one done with 50 states in 19 days....all CW...all  
> > QRP.  
> >  
> > Really incredible.

This is a truly remarkable effort. I know W8DIZ worked at it pretty hard, as I've heard him on 20 and 40M CW almost every night past few weeks. I worked him a week or two ago around midnight his time. Was I your NM stn? Glad to know it was a contest ... was starting to think Diz was just a fanatic for working CW late at night :-)

Great job, Diz.

72, Paul NA5N

PS - That means you worked DELAWARE too?

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End of QRP-L Digest 2446  
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